

Wyre Flood Forum

Minutes of meeting held Thursday 10 June 2021
@ 1pm via Microsoft Teams.

PRESENT:

Chair

Carl Green (CG) Head of Engineering, Wyre Borough Council

Wyre Borough Councillors

Cllr Roger Berry (RB)	Neighbourhood Services & Community Safety Portfolio Holder
Cllr Phil Orme (PO)	Preesall Ward and Preesall Town Council
Cllr Lynn Walmsley (LW)	Marsh Mill Ward
Cllr David Walmsley (DW)	Jubilee Ward
Cllr Andrew Cropper (AC)	Preesall Ward and Preesall Town Council

Lancashire County Councillors

Cllr Matthew Salter (MS)	Wyre Rural Central
Cllr John Shedwick (JS)	Thornton & Hambleton

Parish and Town Councillors

Cllr Roger Brooks (RBr)	Garstang Town Council
Dianne Booth (DBo)	Stalmine Parish Council

Council Officers/Agency Representatives

Paul Long (PL)	Wyre Council
Graeme Kelly (GK)	Environment Agency
Lydia Cowell (LC)	Environment Agency
Rachel Crompton	Lancashire County Council (Flood Risk Management)
Stephen Clarke (SC)	Lancashire County Council
Brian Birkett (BB)	Lancashire County Council
Mark O'Donnell (MO)	LCC (Highways)
Katie Duffy (KD)	United Utilities
Dawn Bromley (DBr)	United Utilities

FLAG Representatives

Roger Weatherell (RW)	Churchtown FLAG
Linda Rowland (LR)	Preesall FLAG
Phil Jenkins (PJ)	Thornton FLAG
John Quine (JQ)	Thornton FLAG
David Astall (DA)	Great Eccleston FLAG
Pamela Nickols (PN)	St Michaels FLAG
John Nickols (JN)	St Michaels FLAG
Michael O'Flaherty (MF)	Hambleton FLAG

APOLOGIES:

Cllr Alf Clempson	Poulton-le-Fylde
Cllr Elizabeth Webster	Brock with Catterall Ward and Garstang Town Council
Cllr Paul Moon (PM)	Preesall Ward and Preesall Town Council
Cllr Mary Stirzaker	Mount Ward and Fleetwood Town Council
Cllr Julie Robinson	Hambleton Ward and Hambleton Paris Council
Kevin Kellet	Lancashire County Council
Kathrine Pye	Wyre Borough Council
David Thow	Wyre Borough Council
Emma Lyons (EL)	Wyre Council
Christine Hamilton	Environment Agency
Dan Blacow	United Utilities
Phil Wylie	United Utilities
John-Gareth Phillips	United Utilities
Tom Myerscough (TM)	Wyre Rivers Trust
Richard Rhodes (RR)	Natural England
Rita Carr	Preesall FLAG
Peter Kayley	

The Forum was again being held remotely due to the Covid pandemic.

1. INTRODUCTION BY THE CHAIRMAN, CARL GREEN (WYRE COUNCIL):

Carl Green welcomed all attendees to the meeting.

2. APOLOGIES:

Apologies were noted as above.

3. MINUTES OF PREVIOUS MEETING:

The minutes of the meeting of 11 March 2020 were confirmed as a correct record.

MATTERS ARISING:

- a) Over Wyre foul sewers – the issue of the capacity of the foul sewers Over Wyre, particularly between Stalmine and Hambleton, had been raised as an issue. KD noted that the sewer flow model undertaken by UU did not reflect the actual experience operationally. She suggested that the issue be addressed with the Making Space for Water Group and report back to the next Forum.
- b) With regard to monitoring the flows Over Wyre, UU are planning to install flow monitors by the end of November to establish actual flows and better understand the sewage network.
- c) LW noted that the number of properties with sewage in their gardens on Calder Ave., should have read 3 to 5 and not 35. This was noted as a correction to the minutes.

4. WHAT'S GOING ON IN THE REGION.

REPORTS FROM FLOOD MANAGEMENT AUTHORITIES:

- UNITED UTILITIES:

DBr noted that there were no new issues. She provided an update on the issues covered in the Issues and Actions log – the log has been updated to reflect these comments.

- Lancaster Road / Raikes Road, Great Eccleston – UU have surveyed the sewer twice in this area and have been unable to identify any issues that might causing flooding. CG noted that the local landowners have done some works on clearing the local watercourses. DA reported that the western watercourse has been dredged and is running well. No works have been carried out on the eastern side. PL said that it would be useful to lift the covers on Raikes Road (adjacent to the bus stop) to see if levels have now dropped.

Action - PL

- Linderbreck Lane, Poulton – issue with foul drainage has been resolved. There remain issues with the non-consented culverting of the watercourse. PL said that the land including the watercourse has been transferred to the local residents – any issues of flooding from the watercourse were the responsibility of the new owners.

- KD said that Pippa Smith is continuing to work with the St.Michaels FLAG and the Environment Agency on issues on Rawcliffe Road and Wyre 82 pumping station.
- KD reported that, as part of the Dynamic Network Management (DNM) project, UU are to install flow meters in the Fleetwood drainage area, including Hambleton, to better understand how the network operates so that issues can be identified and rectified before they impact on residents.
- RB asked what actions had been undertaken on School Road, Thornton to install flood mitigation to properties recently flooded. DBr replied that she understood that all works had been completed, but would check to confirm this. PJ noted that the works were being undertaken by residents at their own expense and not by UU. PJ noted it has been reported that the sewers in the area are due to be cleaned out soon – CG asked that UU report back on when this might be done.

Action - UU

- PJ noted that it has been reported that the drainage system on the new development on Bourne Road, Thornton would be adopted by UU but residents would be expected to employ a management team for maintenance works; he queried how this would work in practice. KD confirmed that UU would adopt the drainage part of the SuDS scheme but not the watercourse or green spaces.
- LW asked whether UU had met yet with residents of Calder Ave, Thornton re foul flooding of their gardens. DBr thought that this had been resolved but would check and report back.

Action - UU

- MF noted that a partial survey of the Hambleton drainage system has been undertaken while a further survey on Carr Lane is planned. He asked when this might be completed. PL replied that the survey works were being undertaken by LCC as part of the Making Space for Water Group. MD confirmed that work has already started on the survey.
- MF said that he has previously requested information from UU about the pumping station on Kiln Lane, Hambleton. He asked if UU could give an estimate as to when this information would be provided. KD replied that she would look into this and pass on the information directly to MF.
- MF asked if the issue with the modelling of the sewage network was network-wide or restricted only to Hambleton. KD replied that the issue related only to Hambleton. The new DNM project covers the whole of the network that discharges to the Fleetwood treatment works, and includes Hambleton. She confirmed that there would be enough monitors going into the network to accurately monitor the network. DBr confirmed that monitors are planned to be installed at all locations where a flooding issue had been reported.
- LR asked whether the walkthrough of the drainage system to the north of Preesall (Meadow Ave to Wheelfoot watercourse) and planned for 3 June had gone ahead. PL confirmed that the walkthrough had taken place as planned and that a report of its findings would be published soon.

- **ENVIRONMENT AGENCY:**

See [APPENDIX 1:](#)

GK provided a report on works undertaken by the EA.

- the grass cutting maintenance of watercourses has largely been completed – they are a small number of areas around the coastal banks of Stalmine and Rawcliffe Road, St.Michaels not yet completed due to a problem with one of the machines. These areas will be completed as soon as repairs have been undertaken.
- The EA have now received their recovery money from Storm Ciara to undertake works, including:
 - Repair scour where Inskip Brook joins the River Wyre
 - Repairs to the river embankment at Stockenbridge Farm(ref 17/16) and Wild Boar (ref 21/10)
 - Repairs to the slippage at Catterall and recalibration of telemetry
 - Survey banks at Whites Brook and potential improvements to embankment (ref 21/07)
 - Repairs to gabion baskets and bank leakage at Rivermede, St.Michaels (ref 18/26)
 - Commission report into the future of Stanah pumping station
 - Installation of cameras, including Stanah pumping station.
- EA plans to be carbon neutral by 2030; this is likely to affect how the EA undertakes new defence construction works in future, although he reassured the Forum that works would still be undertaken as required.
- LC confirmed that she would continue in her role until March 2022; if anyone had any questions for the EA then they should continue to contact her by email.

JS asked for an update on the following issues

- Out Rawcliffe Parish Council are looking for a response to a letter sent in November 2020 re flooding of four fields – they are concerned about the loss of agricultural land and would like some advice from the EA. GK was not aware of the complaint; JS said that the Parish Council would resend the complaint.

Action - Out Rawcliffe PC

- The watercourses on Union Lane, Out Rawcliffe are running slowly and there is a concern that the watercourse network may be blocked further downstream at Scronkey. GK responded that the EA does not maintain watercourses in this area but he would send a team down to look for potential blockages. JS said that he would email GK directly with full details.

Action - Cllr JS

- Would the EA confirm when they would be looking to put in the planning application for defence works in Hambleton? GK replied that he was not aware of details on this project but would find out and forward details to JS.

Action - GK

- Regarding Stanah Pumping Station, could EA confirm who was currently operating the station? GK confirmed that the transfer of responsibility from Wyre to EA had not yet been completed – this is expected to be completed soon. In the meantime Wyre are continuing to operate the station with the EA's teams carrying out maintenance, including screen cleans.

RBr asked if there was any update on Ainspool hydrology report. GK replied that the EA does not have an existing model of the Ainspool and none is planned. RBr noted that planning permission has recently been granted for 70 properties south of Prospect Farm, Garstang with all surface water discharging to the Ainspool. PL confirmed that surface water discharge from the site has been approved at greenfield runoff rates. CG suggested that EA might wish to model the Ainspool in the future, he also noted that Wyre Rivers Trust is looking at natural flood management projects around the Ainspool to improve drainage in the locality.

RBr noted a recent EA policy to move away from hard engineering projects to natural flood management – he asked if this was to become a reality and how it might affect the EA locally. GK replied that this linked to the information provided in Appendix 1 and the EA's plan to become carbon neutral by 2030. He said that the EA would not stop building flood defences but NFM would become important. He noted that schemes were already underway within Wyre that followed this policy and helped improved habitats as well as reduce flooding. CG noted that the North West region had received £6m in grant from the [Flood and coastal resilience innovation programme](#) of which a number of projects are within Wyre.

MS expressed concern about using NFM in lieu of traditional flood defences – he considered that NFM should be used in tandem with traditional methods. GK replied that the two techniques worked hand in hand and the EA would still continue to build hard defences but would look to reduce carbon emissions by using improved construction techniques.

PJ asked whether the Stanah pumping station report had been held up because the transfer of ownership from Wyre to the EA has not yet been completed. GK replied that this was not the reason, but that the recovery money had only just been received. The report is expected between Christmas and March; a summary would be provided to the Forum when available.

PJ asked whether the CCTV cameras promised for Stanah pumping station and at The Sandyforth Arms, Thornton were still to be provided. GK confirmed that this was still the plan.

PJ asked whether the silt survey of Hillylaid Pool had been undertaken yet and whether the report would be made available to the Forum. GK confirmed that the survey, which focussed on the stretch of watercourse near to School Road, has been completed – he would send a copy of the report to PJ.

Action - GK

CG asked whether any funding would be provided for the maintenance of Springfield Pumping Station – GK replied that no funding would be available as it was specifically tied to Storm Ciara. It was agreed that representatives from Wyre Council and the EA would discuss this separate to the Forum.

MF noted that flooding in Hambleton was primarily to Wardleys and Kiln Lane watercourses to the north of the village, and Marsh Lane watercourse to the south – he asked what actions had been undertaken by EA. GK confirmed that Wardleys and Kiln Lane watercourses were maintained by the EA but Marsh Lane isn't. He confirmed that clearing of grass and weed works are currently being undertaken. MF asked if desilting works were required for these watercourses – GK noted that desilting works were done a few years ago by the local landowner, adding that current works would skim off some siltation and help maintain flows. MF was

concerned that cutting the grass and weeds would not a significant effect on the flow in the watercourse. He asked if the EA could confirm which areas of the watercourses had been cleared – GK offered to send MF a plan showing what works had been undertaken in this area.

Action - GK

MF asked whether improvements to how the main watercourses discharged to the River at high tide, such as pumps or improved outfalls, would be included in the design for the new Hambleton defences. GK replied that the design had yet to be finalised but would be considered in the design – he added that the use of pumps would not be included.

JS noted that a walkover of the drainage systems in Hambleton is planned with FLAG members for 24 June – he asked the problems raised be looked at during the meeting.

- **WYRE COUNCIL**

CG noted the following works;

- Planning permission for Phase 1 of the £4.6m Wyre Beach Management Scheme at Rossall Beach has been approved. The main part of the scheme, using rock groynes and beach management, will be sent to planning later in October and will start next year.
- As part of the Innovation Bid, Lancashire has been awarded £7.4m to look at different ways of using buffer strips (such as salt marshes and sand dunes) to provide coast protection and allow time for the land to adapt to coastal changes. The scheme comprises fourteen projects of which three are within Wyre (use of dredged material to improve the saltmarsh and protect the seawall at Fleetwood Docks; improvements to the saltmarsh at Arm Hill, Preesall; and developing an inter-tidal lagoon at Pilling to improve the local drainage systems.)
- Monitoring works are also being undertaken, including the installation of radar stations around the coastline (Wyre already has two such stations, at Cleveleys and Fleetwood) and the use of drone LIDAR to monitor the salt marshes.

RBr said that, until we took into account the opinions and experience of local residents regarding local flooding issues, then we would never learn the lessons of that experience. CG agreed, adding that local knowledge of how the beaches change is invaluable.

- **LANCASHIRE COUNTY COUNCIL**

MO provided an update on the works being undertaken by LCC. Works are continuing on the planned cyclic and reactive maintenance, including clearing of highway gullies. Other works included;

- Hambleton – recent surveys have been completed of the surface and highway drainage on Broadpool Lane and on Carr Lane (from Market Street to Carlyn. Repair/maintenance works have been drawn up.
- Hambleton – maintenance works on the highway drainage system have been undertaken on Grange Lane and Bull Park Lane.
- Out Rawcliffe - maintenance works on the highway drainage system have been undertaken on Dry Bread Lane and Knitting Row Lane.
- Out Rawcliffe – repair works planned for Rawcliffe Road to begin 5 July.

- Preesall – a topographical survey of Preesall Hill has been completed – this will enable a scheme to be drawn up to divert water from the hill to protect properties on Sunnyside Terrace. A letter has been sent to the landowner concerning the discharge of water/sand onto the public highway on Cart Gate. A reply has yet to be received.
- Churchtown – works to the surface water drainage system on The Avenue and Ainspool Lane to commence on 19 July.
- Nateby – survey works are to be undertaken to investigate repeated highway flooding on Longmoor Lane. This is suspected to be as a result of lack of maintenance to private watercourses.
- Thornton-Cleveleys – 25 tonnes of silt was removed from the culverts in Royles Brook watercourse alongside White Carr Lane.
- Thornton – drainage repair works have been completed outside the Co-Op on Fleetwood Road North. Further works are planned at the junction with Bourne Road and to clear the culvert under Fleetwood Road North.
- Winmarleigh – working with Parish Council on flooding issues. LCC have provided pipes for works to be undertaken.
- Other works that are programmed to be undertaken include Poulton Road, Fleetwood; Woodlands Ave., Thornton; May Lane, Claughton; Wardleys Lane, Hambleton and Staynall Lane, Staynall.

RBr reported that there had been no flooding to Church Lane, Winmarleigh during the recent heavy rainfall events – he thought that recent works to clear the gullies had been successful in resolving the issue. MO explained that the highway drainage at this point discharged to a private drain that required replacement. LCC have provided the pipe for the works.

RBr asked how WBC and LCC enforced riparian responsibilities. MO explained that riparian responsibilities were being tackled as an educational process as many landowners were not aware of them. In some cases the flood authorities were undertaking the work as a one-off and reminding landowners that future maintenance was up to them. CG added that, in most cases, the matter of riparian ownership and maintenance responsibility only became an issue when there is a flooding event.

PO thanked MO for the sending of a letter to the landowner on Preesall Hill and asked that LCC continue to pursue this. MO replied that an official letter from LCC's legal department threatening court action would be the next step.

PO asked whether the 150mm pipe under Sandy Lane, Preesall would be sufficiently sized to take additional load as part of the proposed works to discharge water from Preesall Hill and local fields. MO replied that this had been discussed recently as part of the MSfW meeting. He noted that Sandy Lane is scheduled to be resurfaced on 16 August so any changes to the pipe size would be completed by then. PL said that he was happy with a 150mm pipe as anything larger was likely to move the problem from Preesall hill and flood properties on Sandy Lane. He added that the digging of a watercourse alongside Sandy Lane from 1 Sunnyside Terrace and linking to the pipe would give additional storage and reduce the risk of flooding.

LR asked whether planned works to resurface Cart Gate would alter the camber of the road at Sunnyside Terrace to improve run-off to the watercourses. MO said that LCC were looking into this as an option. LR noted that sand running off Preesall Hill is now running down the Sandy Lane side. She noted that the ACO drain on Sunnyside Terrace, at the junction of Sandy Lane, was blocked and flooding the footpath; she asked that this be cleared. MO to look into this.

PJ thanked MO for the recent repair works outside the Co-Op on Fleetwood Road North – he asked if it could be possible for LCC to better notify FLAGS when works had been completed. MO said that he would endeavour to do so. PJ asked whether works to resurface the road could include changes to the footpath for the first two properties north of Springfield Drive to reduce the risk of surface flooding. MO said that he would ask his team to look at lifting the kerbline in this area.

Action - MO

PJ asked whether ENWL would be looking to inspect/clean their private culvert through the electricity distribution site at Stanah. PL confirmed that he had written to them but had not yet had a response. Update: PL has since visited the site and confirmed with National Grid that investigation works will be undertaken by their contractor – Forum to be updated at next meeting.

MF reported that he had received a drainage plan from PL that showed a pipe close to The Coppins which may be useful in discharging highway drainage. He asked if the survey would pick up the position and run of the drainage pipes so that this could be investigated as an option. MO replied that the survey would pick up this information – he added that the report was expected soon and that this could be discussed at the Hambleton walkover on 21 June.

JS thanked MO for the recent works in Hambleton, Thornton and Out Rawcliffe, and asked that LCC pursue riparian owners for maintenance of watercourses on Staynall Lane.

JS asked whether there had been any update on the culvert under Marsh Mill, Thornton close to Tesco. PL replied that he had reported to EA and discussed with Melrose, who have been looking at a potential blockage in the road gullies. GK confirmed that the EA have completed a recent survey of the culvert and no issues have been raised. CG added that the Rivers Trust are planning to make improvements to King George's fields to help reduce siltation in this area. In response to a query from PJ, he confirmed that the works are scheduled to be undertaken this summer.

JS reported flooding to Townend, Out Rawcliffe by Water's Reach. MO to look into this.

- WYRE RIVERS TRUST

TM was not present for the meeting but sent the following report in advance:

- Thornton Flood Risk Resilience
 - Hillylaid Pool - 90% of wetland works complete - changes to the design during its construction meant we needed an amendment to our permit, works at the site to be completed within the next four weeks.
 - King Georges Playing Fields - Our bid to the Lancashire Environmental Fund was successful, meaning that the project will go ahead. Currently working with partners to complete the preparatory actions for the project. The project will result in the creation of around 1,750m² of storage at the site along with a wide range of other benefits.
- Wyre NFM (DEFRA Community Fund) - Project now complete, a report on the outputs of the project is being composed, this will be made available in the summer.

- Wyre NFM Investment Readiness - Project making great progress, buyers of ecosystem services are now on board, a business plan has been formulated and investors are being approached. NFM funded by green/social investment in the Wyre is looking like it will be a reality by September 2021. If/when the project does go ahead it will see the delivery of £1m worth of NFM in the upper Wyre catchment, with farmers and land managers being paid for the services which the NFM on their land provides for communities further downstream.

- **NATURAL ENGLAND**

RR sent his apologies for the meeting. No report has been received.

5. **MAKING SPACE FOR WATER TECHNICAL GROUP:**

PL reported that the MSfW Group met (via Teams) on 27 May and that minutes of the meeting have been distributed to all present – see [APPENDIX 2](#). Most of the actions from the meeting have been discussed above.

PL reported that he had been in contact with most of the FLAGS prior to the meeting to establish any issues and the Issues and Actions log has been updated to reflect these –see [APPENDIX 4](#)

RB asked whether the owner of the land behind Sefton Ave, Poulton has been identified. PL confirmed that Wain Homes had been identified as the landowner and would be contacted to see if anything could be done to reduce the risk of run-off from the field behind.

RB asked if anything has been done to improve the flow of water along Green Lane, off Cart Gate, Preesall. It has been reported that the flow on the western side of the road was slow. PL said that this had been discussed as a possibility, but that work was being concentrated on reducing the rate of discharge off Preesall Hill and looking at a potential additional discharge to Green Lane East watercourse via Sandy Lane. MO noted that the main culvert under Burned House Lane, which take water from Green Lane, has been inspected and that no issues were found. PL said that he discussed this with PM, who was concerned that the discharge from St. Aidans School may be overpowering the flow from Cart Gate. At the moment works will continue to focus on Preesall Hill and protecting Sunnyside Terrace from flooding.

RB asked whether Wain Homes have completed the surface water pipe from Lambs Hill direct to the River Wyre. PL confirmed that this was the case.

PJ asked whether PL had discussed with the EA the removal of debris from the junction of the surface water from Anchorholme Lane East and Royles Brook watercourse from White Carr Lane on Marsh Farm, Thornton. PL confirmed that he had raised this issue with the EA at the last MSfW meeting and that they had agreed to include this in future maintenance works to Royles Brook.

PJ asked whether it was possible for the flooded land behind Springfield Drive could be picked up at part of the development of Thornton Football Club. PL replied that he had suggested this as part of the planning consultation but was not aware of any progress. He said that it made sense to add it to the new site, or possibly to the existing drainage system on Fleetwood Football Club's site. He agreed to look into the planning for this site.

Action – PL

6. LOCAL FLOOD ACTION GROUPS: REPORTS AND QUESTIONS:

Issues raised by FLAGS at pre Forum meetings are detailed at [APPENDIX 3](#) and have been added to the Issues and Action log.

CLEVELEYS FLAG:

DW said that very little had happened, despite (with the exception of much of April) there having been a period of wet weather. He confirmed that May had seen double the monthly average of rainfall, with the worst of the weather in the first three weeks. The surface water drains worked well and no hint of flooding anywhere.

CHURCHTOWN FLAG:

RW reported the following;

- The Avenue – LCC have located a blockage in the highway drain that discharges to the River from The Avenue. The plan is to unblock the drain during maintenance works planned for 19 July. MO confirmed that LCC would take advantage of the road closure for highway maintenance works to break into the pipe to clear it (or replace, if necessary).
- LCC plan to amend the valves on the outfall pipes at three locations close to Kirkland Bridge, to use the speed of the water in the main river to help increase the discharges to it.
- There are two gullies on The Avenue which discharge to a ditch in Green Wood. Recent tree felling works have been undertaken which have resulted in the ditch being currently blocked. RW said that, as the road was higher than the ditches, then as long as the pipes connecting the gullies to the ditch remained clear then the highway should continue to drain. MO confirmed that LCC would ensure that the pipes remained clear.
- RW reported that he considered that the flooding on Ainspool Lane could originate from two places; either one or more of the flap valves on the watercourse is not shutting fully or water on Green Wood being higher than Ainspool Lane. It may be necessary to look to how to store water in Green Wood to prevent it discharging to and flooding Ainspool Lane.
- RW said that the FLAG were looking at flood water management works to hold water further upstream – he thought that there had been a modelling of the local drainage system by MD Lee in the 1990s. He considered that, in theory, the construction of the new houses upstream should have no effect on flooding of the village. He did, however, express concern that maintenance of the SuDS on these developments would need to be properly maintained.
- RW considered that there is potential for storing additional water on local land through natural flood management, by making the land more porous. This was something for future consideration.
- Finally, RW expressed the FLAGS thanks to Wyre Council for repositioning the sandbag bins in the village.

MO noted that LCC would be undertaking additional works on 26 July to block off a drain from A586 and direct the flow away from Ainspool Lane. This should help reduce flooding incidence on Ainspool Lane.

GK said that he would look to see if the EA had any information re the MD Lee report. RW though that he had a paper copy of the report and would look to locate it.

CG noted that TM was looking at a number of means of improving natural flood management in the area, including improvements to the porosity of local land.

GARSTANG FLAG:

RBr noted that we have had a quiet three months since the last Flood Forum; he remained acutely aware that the Garstang flood barriers affects all communities downstream and that work had been planned to replace the west gate. He asked if there was an update on this work. GK confirmed that the works were only to replace the ram and not the gate itself; the works had not yet been undertaken but would be done this summer. He confirmed that there was nothing wrong with it but was being replaced as a precaution following the failure of the east gate ram last year.

RBr noted that the surface water drain from Green Lane East to the river was being relined; he said that he had viewed the works being done and expressed his hope that the works would prove their worth over their lifetime.

GREAT ECCLESTON FLAG:

DA confirmed that works to the drainage pipes on Butts Lane have now been completed and appeared to be working fine. He noted that the grassed area west of Butts Lane had been gouged by grass cutting operations and was holding water.

Works to prevent flooding at the junction of Raikes Road / Lancaster Road had been undertaken, with the western watercourse having been dug out – he did express concern as to whether a new field access over the watercourse had blocked it or whether there was a pipe installed. He noted that the field to the north was now drying up well. CG noted that PL was planning to inspect the site and would look at these issues then.

HAMBLETON & STALMINE FLAGS:

MF said that he submitted a flood report on 17 May – he asked that this be included in the minutes (see APPENDIX 3) as this included all issues for Hambleton.

He noted that the FLAG would be taking part in a walkabout with the flood authorities on 24 June to look at all issues in the village and expressed his thanks to everyone involved.

OUT RAWCLIFFE FLAG:

JS noted that most issues had been covered earlier in the Forum, including flooding to waterlogged fields and Union Lane watercourse leading to Broadfleet and the flooding of Rawcliffe Road near to Townend.

He asked that continuing flooding on Bodkin Lane be included in the minutes – he would raise this with MO.

PREESALL FLAG:

PO said the FLAG was generally pleased with the actions to date provided that the planned works to alleviate flooding on Sunnyside Terrace were enacted.

PO noted earlier comments about the flows within the watercourse on Green Lane and whether this could be improved by linking to the watercourse on the east side of the lane. He looked forward to any proposals to consider this.

PO expressed his thanks to MO for checking the culvert under Burned House Lane. He asked that the downstream section after the culvert be looked at next to ensure the flow of water. MO noted that this proposal was one of the recommendations of the report of the culvert inspection and would be undertaken at a later date.

PO noted that the FLAG and flood authorities had undertaken a walkover on 3 June – several issues had been raised. He noted that the plans showed no connection between Pilling Lane and Meadow Ave – this to be checked.

With regard to Rosslyn Ave, PO asked what action, if any, would be taken about the connection from the new estate at the end of the lane to the watercourse, since the inspection has shown that the water flows north and not south, as suspected. PL noted that the drainage did appear to discharge to the north and that the stretch of watercourse north of the development, next to the caravan site, is in need of cleaning.

PO asked whether a further meeting was worthwhile to review the culverted watercourse running through 149 Pilling Lane and nearby properties – might it be possible to reroute it to the main watercourse?

PO noted that the highway gulley close to 149 Pilling Lane has a netting within it to prevent ducklings falling into it – this is now collecting debris and causing localised highway flooding. He asked that LCC look to ensure that it is cleared.

Action - LCC

PO noted that water from the Pilling Lane and Green Dicks Lane areas discharges to Wheelfoot watercourse and is then pumped out to sea. He expressed his concern whether the pumps were capable of dealing with the flows, particularly if improvements to the system around Meadow Ave were undertaken. He noted that the pumps are tidally restricted and asked whether attenuation could be provided in the fields behind the pumping station. CG noted that he had made a bid through the Innovation Project to investigate the pumping station and money is available for this.

LR said there was a lot of local fear of flooding and hoped that any works would be successful in reducing the risk of flooding. She noted that one of the owners of Preesall Hill has been undertaking clearance of watercourses but had noted the network appears to be blocked as water is not getting away – this will need to be looked at as part of any planned works. PO asked whether the construction of a bund adjacent to 1 Sunnyside Terrace was still an option. PL replied that it was still an option, but couldn't confirm it until a full survey and plan of the local network had been drawn up.

LR informed the Forum that the Fire Brigade has classified Sunnyside Terrace as a rapid catchment area with a Level 2 risk. As such they would respond to any requests for assistance during a flooding event, until such time that Wyre Council could be on site. She noted that there were a significant number of vulnerable people in the street and thanked all the flood authorities for their continuing support.

ST.MICHAELS FLAG:

PN echoed thanks to the flooding authorities for the works being undertaken. She noted it appeared that many of the works revealed today had not been reported in the MSfW minutes; she thought that agencies should discuss and report these ahead of the Forum, so that members could consider them ahead of the Forum. CG suggested that it might be possible to maintain an online Issues & Actions log that could be accessed by all members to ensure that they were up to date with works.

PN noted that there was still an issue with foul discharges on Rawcliffe Road – she said that UU had planned to undertake checks on the air vents to look for air locks on the line between Great Eccleston and Churchtown, but no updates had been provided. KD agreed to chase this with colleagues. It was further agreed that UU would meet with the FLAG to discuss the matter once works had been undertaken.

THORNTON FLAG:

PJ said that most questions had been answered during the meeting.

He asked whether Wyre Council had prosecuted persons responsible for fly tipping on Anchorholme Lane East. PL said that he was not aware but would chase this up.

Action - PL

7. COMMUNICATIONS:

Wyre's new website will going live in July and all the current info about flooding and the FLAGS will be moved over – see [Flooding – Wyre Council](#) . A new area will be created on the website detailing updates about the funded flood innovation projects.

8. ISSUES AND ACTIONS UPDATE:

The updated Issues & Actions list is attached as [Appendix 4](#)

9. ANY OTHER BUSINESS:

LW raised the issues of flooding to the three cottages near Tesco on Fleetwood Road, Thornton – she asked if there was a connection to the Tesco drainage system and whether the flooding here was related to that in the store car park.

10. NEXT MEETING:

9 September 2021, 1pm start – Details to follow.

APPENDIX 1

Pre-meeting report from Environment Agency (June 2021)

Maintenance Programme

The maintenance work the Environment Agency plans to carry out this financial year (1 April 2021 - 31 March 2022) can be viewed online <https://environment.data.gov.uk/asset-management/index.html>. This is the planned annual flood and coastal risk management (FCRM) asset maintenance programme. You can find a particular location by entering your postcode or navigating the map by zooming in and out.

Please note that this programme is updated quarterly. However, sometimes work may not go ahead as planned due to adverse weather, floods, or other operational or environmental considerations.

Summary of key features:

- Interactive map.
- It includes a vast amount of detail including extents of work, planned start and end dates, and links out to a description of each type of activity.
- It will be updated on a quarterly basis (eventually monthly), allowing the public to track maintenance progress through the year.

Reporting a problem

The most effective means of reporting a potential flooding or blockage problem on a Main River is to report it to the Environment Agency's National Call Centre on 0800 80 70 60. The National Call Centre will collect the relevant information and ensure it is passed to the correct team for assessment. A copy of the Main River Map can be viewed here [Main River Map](#).

Here are the present updates since March 2021 from the Environment Agency:

Community Engagement (non-scheme related)

Environment Agency Single Point of Contact

Paul Bond's assignment has been extended until the end of March 2022. Lydia Cowell will continue to be the EA single point of contact during this time and can be contacted via:- Lydia.Cowell@environment-agency.gov.uk

Environment Agency: reaching net zero by 2030

The Environment Agency have committed to becoming a net zero organisation by 2030. This means ensuring that Environment Agency activities, and its supply chain, are taking as much carbon out of the atmosphere as it is putting into it. The Environment Agency will seek to meet the goal by reducing the emissions of its own activities and supply chain by 45%, with the remaining emissions addressed through tree planting or other measures.

More than half of the Environment Agency's emissions come from the construction of flood defences. The Environment Agency are aiming to reduce these emissions by 45% by 2030. The Environment Agency will continue to build flood defences to help protect homes and businesses, with a target to protect 336,000 properties in England between now and 2027 but will be required to work differently and be innovative to achieve this. This will include incorporating natural flood management into the design of flood defence schemes, such as tree planting or creation of salt marshes, which slow the flow of water, create vital habitats for wildlife and absorb carbon. Low carbon concrete will become the default, where technically feasible, and modern construction methods (e.g. 3D printing) will be piloted.

Further information on the Environment Agency's road map for cutting carbon emissions and reaching net zero by 2030 is available at:

<https://www.gov.uk/government/publications/environment-agency-reaching-net-zero-by-2030>.

This target sits alongside the Environment Agency's 5 year plan, EA2025, and the 2020 Flood and Coastal Erosion Risk Management (FCERM) Strategy for England, which were both launched last year.

Climate change is the biggest risk we face – the most recent climate change predictions confirm we will experience wetter winters and drier summers, with an increased likelihood of more intense rainfall leading to flooding and sea level rise resulting in increased coastal change. The FCERM Strategy's long-term vision is for: a nation ready for, and resilient to, flooding and coastal change – today, tomorrow and to the year 2100. This is a key step towards making sure our country is more resilient to flooding and coastal change.

The FCERM Strategy sets out a national ambition but one that can work for every place. Every place is different and there is no one size fits all solution to flood and coastal resilience. The only way of doing this is to put people at the heart of decision making. To download the Flood and Coastal Erosion Risk Management Strategy for England in full please click here: <https://www.gov.uk/government/publications/national-flood-and-coastal-erosion-risk-management-strategy-for-england--2>.

EA2025 sets out three long-term goals: a nation resilient to climate change; healthy air, land and water; and green growth and a sustainable future. To download EA2025 in full please click here: <https://www.gov.uk/government/publications/environment-agency-ea2025-creating-a-better-place>.

Flood Basin training dates

Garstang Flood Basin Training dates from March to May 2021:

24/03/2021
26/04/2021
13/05/2021.

Catterall Flood Basin Training dates from March to May 2021:

26/03/2021
29/04/2021
13/05/2021

.

Highgate Park dates from March to May 2021:

26/03/2021
28/04/2021
26/05/2021.

Maintenance Work

The annual maintenance programme for this financial year is continuing with our grass cutting programme underway on the Wyre.

We have checked the Catterall river level sensor for St. Michaels and it has been recalibrated and will be programmed in for further calibration checks after every high level event. The problem is that the sensor station has slipped due to erosion and now experiences problems with silt. We have secured funding this year to repair the slips and the sensor equipment.

Works to repair the overtopping along Rawcliffe road have been completed and we have received funding to continue the embankment repairs at Wild Boar Cottage this year.

Plans to replace the west gate ram at Garstang basin are underway and are expected to take place this summer. This work will replicate the works undertaken on the east gate last year. We will update further as the work planning progresses.

The relining work has started on Garstang Green Lane culvert running from Green Lane West downstream to Wyre Lane (adjacent to the Garstang Agricultural showground). Local residents have been notified of the proposed works.

Project / Review updates

Hambleton Tidal Flood Risk Management Scheme

The proposed scheme will reduce the flood risk to over 600 properties. Linear flood walls are proposed from Kiln Lane, north of Wardleys Pool, to the end of the existing embankment near Peg's Pool. The Hambleton FRMS will provide a consistent standard of protection against a flood event with a 0.5% chance of occurring in any one year. The scheme has included the effects of climate change, with consideration given to the impacts of sea-level rise and increased magnitude and severity of flood events.

The detailed design for the scheme is still ongoing, with the environmental assessments currently forming the main focus of the project. We are currently working closely with Natural England on the environmental aspects of the scheme. We continue to engage with individual stakeholders, including LCC Highways and members of the community, on elements of the detailed design.

This summer we plan to hold an online consultation on the finishes of the scheme. The Environment Agency will also engage with the public prior to the submission of the planning application which is expected towards the end of the year. The format of this engagement is to be confirmed and will be subject to Government guidelines and restrictions.

Further information relating to the scheme is available via the scheme's FloodHub page (<https://thefloodhub.co.uk/hambleton/>). If you would like to discuss the scheme further please contact Christine Hamilton who will be happy to help you. You can contact Christine at CMBLNC-PSO@environment-agency.gov.uk.

Wyre Natural Flood Risk Management Investment Readiness Project - *"Investing in Nature: Wyre catchment project"*

Further information on the project, as well as useful links and answers to frequently asked questions, is available at: <http://thefloodhub.co.uk/Wyre-NFM-Project/>

Fleetwood and Copse Brook Flood Risk Management Scheme

The scheme will construct approximately 800 metres of tidal flood defence wall and reconstruction of the Copse Brook outfall to provide protection to Fleetwood. The scheme will protect over 2,200 properties from flooding. The Strategic Outline Case was approved in July and we have now started on the next stage of the project – the Outline Business Case (OBC).

The cost of the scheme is anticipated to be in the region of £5M to £6M but this understanding will change during the development of the business case. It is our ambition that the scheme will provide a catalyst for the wider regeneration of Fleetwood by injecting capital investment into the frontage, whilst unlocking large areas of derelict land for re-development. We are therefore working closely with Wyre Council, Lancashire County

Council and Associated British Ports (ABP). Wyre Council's Future High Streets Funding bid was unsuccessful but we are still committed to look for other partnership funding opportunities and continue to work with our partners to develop a scheme that can maximise future ambitions of the site (we are now supporting Wyre's Levelling Up Funding Bid). ABP are providing project support by contributing to the cost of the structural survey and providing us with Ground Investigations that will help inform the final design options.

During this OBC stage we will begin communicating the flood risk to the community and intend to hold drop-in style events (or other as COVID restrictions allow) in order to gauge local reaction to the plans as we develop them. We expect to carry out these events with support from Wyre Council.

Our current programme suggests construction would start in late 2022 and be completed in late 2023. Although we will revise this as we work through the appraisal process and look for efficiencies and potential to speed up delivery with our partners

Upper & Mid Wyre Asset Management Project (following on from the Upper and Mid Wyre Review)

The Upper and Middle Wyre Asset Management Project was developed following the completion of the Upper and Middle Wyre Review in 2017. In January 2020 we announced that the project was unlikely to commence to the next appraisal stage (Outline Business Case) before spring 2021 due to constraints in available capital funding, as a result of the project's low Partnership Funding score. We are continuing to investigate the funding opportunities available to progress this project. However, progression of the project continues to be dependent on the project's Partnership Funding score improving.

APPENDIX 2

Wyre Making Space for Water Meeting

Minutes of meeting held Thursday 27 May 2021
via Microsoft Teams.

PRESENT:

Carl Green (CG)	Wyre Council (WC) – Chair
Paul Long (PL)	Wyre Council
Lydia Cowell (LC)	Environment Agency (EA)
Stephanie Woods (SW)	Environment Agency
Rachel Crompton (RC)	Lancashire County Council (Flood Risk Management)
Mark O'Donnell (MD)	Lancashire County Council (Highways)

APOLOGIES:

Graeme Kelly (GK)	Environment Agency
Christine Hamilton	Environment Agency
Phil Wylie (PW)	United Utilities (UU)
Nigel Morris	Lancashire County Council (Flood Risk Management)
Kevin Kellett	Lancashire County Council (Flood Risk Management)
Tom Myerscough (TM)	Wyre Rivers Trust (WRT)

1. INTRODUCTIONS:

PL welcomed everyone to the meeting.

2. APOLOGIES:

Apologies were noted as above.

3. MINUTES OF PREVIOUS MEETING:

The minutes of the meeting of 18 February 2021 were agreed.

MATTERS ARISING:

There being no representative from UU present the follow issues are to be addressed at the next Flood Forum on 10 June.

- Update on UU response to reports of flooding on Sunningdale Place, Inskip.
Action - UU
- Update on UU proposals for drainage works on Church Road / Marsh Road, Thornton.
Action - UU
- Update on works to the foul drainage on Hardhorn Road, Linderbeck Close and Snowy Dell, Poulton.
Action - UU

- PW confirmed that UU had undertaken a CCTV inspection of their outfall pipe from the pumping station in Great Eccleston – he would locate a copy of the video and forward this for colleagues to view.

Action - PW

- MD/RC reported that LCC has been looking into the flooding issue on St. Heliers Place, Barton – they reported that there was suspected fault to a syphon under the highway. While this is a private issue, LCC (Highways and FRM) will arrange a site visit to look into how this can be resolved.

Action - LCC

- PL confirmed that the owner of the land behind Sefton Ave, Poulton has been identified. He also confirmed that floodwater is coming off the land behind the properties, rather than from the highways drainage. WC and LCC to arrange site meeting with the landowner to determine what actions can be taken to prevent future flooding.

Action - WC / LCC

4. ISSUES FROM FLOOD FORUM AND FLAGS:

PL reported that he had recently held Teams meetings with the FLAGS from Hambleton/ Stalmine, Thornton, Preesall, Churchtown, St.Michaels, Great Eccleston and Pilling. Issues raised are detailed in the Appendices and have been added to the Issues and Action log.

HAMBLETON & STALMINE:

MATTERS ARISING FROM LAST MEETING:

- Local drainage culvert from the former Police Station on Broadpool Lane has been surveyed and works identified; information has been shared with the FLAG – LCC will undertake repair works as necessary.

Action - LCC

- PL confirmed that the watercourse, previously culverted, between Queensland and The Coppins has been reopened and is running well.

- PL confirmed that he walked the watercourse behind Queensland down to Rydal Road. He noted that foul seems to be discharging from the watercourse from Rydal Road. This needs further investigation.

Action - ALL

- PL confirmed that United Utilities have cleared the surface water sewers that discharge into the watercourse on Marsh Lane, close to the junction with Sandy Lane. UU have reported that the watercourse needs clearing adjacent to the outfalls to improve flow. Watercourse has been confirmed as Main River.

Action - EA

- LCC have inspected the condition of the highway gullies on Church Lane / Marsh Lane to the junction with Green Meadow Lane / Shard Lane – LCC will undertake repair works as necessary.

Action - LCC

- Stalmine FLAG asked that LCC look at the junction of Highgate Lane and Staynall Lane. MO replied that he had been made aware of this and would investigate.

Action - MO

NEW ISSUES RAISED - MEETING 17 MAY 2021:

- Update on the layout of the foul pumping station on Kiln Lane, including invert levels of discharge to Wardleys Creek has not yet been provided by UU – FLAG would like to know how the station discharges to the river at Wardleys Creek and whether or not this is contributing to flooding on Kiln Lane when the outfall is tidally locked

Action - UU

- Queensland Country Park, Carr Lane – watercourse adjacent to The Coppins was culverted without consent some years ago. FLAG have requested that this been opened up again to reduce the risk of flooding from Carr Lane.

Update: PL confirmed that the watercourse has been opened up.

- The FLAG has asked whether LCC would consider installing a culvert under A588 Carr lane from fields on east side (opposite Queensland) to west, to alleviate flooding on Carr Lane

Action - LCC

- The FLAG has requested copy of UU drainage plans for the north of the village (A588 Carr lane, north of Market Street.

Update: Plans have been provided.

- The FLAG has requested copy of any surveys of the highway drainage on A588 close to Queensland and The Coppins. Can LCC undertake survey of drainage north of the recent survey on Broadpool Lane?

Action - LCC

- Issues & Actions log needs to be updated with latest issues.

Action - PL

- Hambleton Sub-Group – can this continue to report separately to MSfW as previously to ensure that Hambleton issues are fully addressed?

Update: Sub-Group met 27 May

- When did EA last survey / desilt Wardleys watercourse behind Queensland Country Park? MD noted that much of the local drainage system discharges to local watercourse. He said that unless the watercourses were regularly cleared, and the discharge to Wardleys Creek improved then Hambleton would continue with flooding issues.

Action - EA

- Can UU Update on when they will install flow meters into foul system to establish flows and locate where problems are?

Action - UU

- Highway flooding at junction of Highgate Lane and Staynall Lane – repeated flooding from overflowing watercourse. Road is impassable when flooded.

Action - LCC

- Highway flooding on Wardleys Lane, north of New Road.

Action - LCC

THORNTON:

MATTERS ARISING FROM LAST MEETING:

- MO confirmed that works to repair issues close to the Co-Op have now been completed. PL asked whether the gully at the junction of Bourne Road and Fleetwood Road North has been repaired. MD said that works were currently in progress.

NEW ISSUES RAISED:

- Have ENWL have been contacted about the culvert under their concrete apron Stanah area, and if they have undertaken any work to clear their culvert?

Update: ENWL have not yet responded to request for information.

- Where are we regarding the checking of the rest of the system from Cathrow Way to the pumping station? There is a good proportion of riparian responsibility in this area but it would be great if people with responsibility for their culverts are contacted and a plan and timescale devised which would ensure the whole area flows freely prior to the onset of bad weather next winter.

Update:

- The development on the corner of Stanah Gardens to be constructed will use the system for its surface water removal. Has the development been held up until the system flows freely or is this not considered a problem?

Update: The Application (ref 19/01283) has been approved by Wyre Planners. Condition 16 refers to drainage issues for the site.

- For the past two financial years LCC promised to sort the blockage outside the new Co-Op. This is still outstanding and this area of Fleetwood Rd North is to be resurfaced starting on the 25th of this month. It would be a shame to have to dig up the road again or are they planning on doing the work in conjunction with the road surfacing.

Update: LCC reports that works outside the Co-Op have been completed.

- Also the homes over the road with downward sloping gardens have no freeboard on their dropped kerbstones so it would make sense to try to give them a little bit of a kerb to help alleviate some of the wash from passing cars outside their homes as they are resurfacing. Could you pass this onto Mark please?

Action - LCC

- There is continual road flooding at the junction with Bourne Road (Lake Ballard) Mark was going to dig up the two drains in this area. LCC are going to adopt Bourne Road I believe in October but this work has been outstanding for the last couple of years so could you give him a nudge and try to get some sort of fixed date for these repairs.

Action - LCC

- The culvert under Fleetwood Rd North which feeds the tributary of Springfield Dyke south of the Iron Horse is blocked. We have dyed it and no flow was obvious. Could you ask Mark if and when he is going to clear this culvert please?

Action - LCC

- Also on our last inspection of this system just south of the Iron Horse the dyke is now blocked just after the first 90 degree turn north. It is totally choked up with weeds and old signs etc. This system drains land to the west of Fleetwood Rd through to the Pheasant Wood estate. As you know by personal visits this is the responsibility of NPL Estates and according to Mark (LCC) it also drains Fleetwood Rd North although we dispute this. We believe that surface water from

the Fleetwood Rd area travels up Bourne Way in an Easterly direction. Could you once again request that NPL or POS Landcare maintain this area properly? We are aware that it is scheduled for building and it would be very expedient if this area wasn't crisscrossed with a drainage ditch. We will be showing aerial photos of this area on our FB page this week dating from 2015 to last year. The amount of neglect is patently obvious.

Action - WC

- Moving onto Hawley Gardens the area is worse than ever. I know this is not your responsibility so I'm not sure what can be done but I believe that as existing areas of North Thornton drain through this system there should be a responsibility on LCC as Lead flood Authority to get something done.

The pond area in our opinion is patently dangerous for children. It would be impossible to see a child in distress in the long bulrushes. The lifebuoys are not easily seen or accessed. Once again there will be photos taken in 2015 and 2020 and the neglect obvious. Surely there should be some overarching responsibility on the Environment Agency or LCC. Clearly something has gone wrong in this area and it needs fuller discussion when the Flood Forum can once again meet in person. This is why in our opinion riparian responsibilities should lie with the proper agencies and not with some subcontracted company with no standards to work to.

Action - WC

- We have concerns that the new development on the football site will also be riparian. Can you confirm if this is the case please?

Update: The Developer will look to have the drainage system and SuDS adopted by UU. Ownership and maintenance of the watercourse will remain with the residents.

I have asked Councillor Howard Ballard if a couple of our group can have a site visit and he is arranging this with the site manager. It would be good if you could accompany us as I said it was just a learning exercise as we can't see much from the periphery.

- We had a meeting with Graham from the EA down at the Sandyforth Arms to look at the fitting of a camera overlooking the culvert which we use to assess the potential implications with high volumes of rainfall. He said he believed it was doable so could you ask Graham for an update regarding progress please?

Action - EA

- Can the EA confirm how their study into Stanah Pumping Station is progressing, and when they believe it will be available for the Flood Forum to discuss?

Action - EA

- Could you also check with Tom Myerscough of the Rivers Trust regarding when the leaky dams are to be fitted on Peter Holts land. Richard Green keeps sending me pictures of the broken dam and I tell him that the leaky dams are to replace the existing structure which is clearly useless.

Action - TM

- A585 Amounderness Way - can an update on the clearance of culverts by Highways England be provided?

Upgrade: A further request for an update has been sent. HE have not yet responded.

- Marsh Road / Church Road sewers - can UU provide an update on drainage works?

Action - UU

- Tesco car park, Marsh Mill, regularly floods – can EA check that culvert is running free?

Action - EA

PREESALL:

MATTERS ARISING FROM LAST MEETING:

- LCC have written to the owner of the landowner re: the issue of water and sand running off Preesall Hill and down Cart Gate. MD confirmed that LCC have provided a budget for a topographical survey of the Hill to assist TM in drawing up a plan. Works are planned to be undertaken soon.

MO said that LCC are looking to connect drainage from the Hill to the watercourse behind the properties on Sandy Lane. He confirmed that there is an existing 150mm pipe under the road which is proposed to provide an alternate route for surface water to discharge.

- MO confirmed that an order has been raised to inspect the culvert under Burned House Lane, but works have not yet started.

Update: Survey works have been completed – no major issues were found.

- PL raised concerns from the FLAG that the watercourse on Green Lane did not appear to be running well. Concerns have been raised that the flow is being restricted by flows to the south of Green Lane (from St.Aidans school) which appear to be the dominant flow. It has been suggested that the east and west side of the watercourse be joined upstream of the existing crossing to improve flow from Cart Gate.

Action - EA / LCC / WC to investigate

- The FLAG asked that the long proposed walk through of the surface water system between Meadow Ave and Wheelfoot watercourse be undertaken.

Update: Walkover planned for 3 June

NEW ISSUES - MEETING 17 MAY 2021:

- There is concern about increased flooding of Sandy Lane; the FLAG is concerned that the changes to the profile of Preesall Hill is affecting the surface water flows. PL confirmed that this is being looked at by LCC and WRT.
- The FLAG has asked that the pallet of sandbags by the side of Sunnyside Terrace be removed – these are no longer required to be stored here.

Action - WC to remove.

- Flooded gardens/ cross contamination issues were raised about Coniston Ave. Issues have been raised with UU.

Action - UU

- The FLAG asked if the Acco drain and highway gullies at the junction of Sunnyside Terrace and Sandy Lane could be cleared – they appear to be blocked.

Action - LCC

CHURCHTOWN:

MATTERS ARISING FROM LAST MEETING:

- The FLAG asked that the MSfW look at the possibility of flooding woodland north of the A586 (opposite Ainspool Lane) to reduce flows under the road and into the Ainspool. They consider that this would reduce the risk of flooding of Ainspool Lane and properties nearby. The Group agreed to investigate the possibility of doing so and report back to the FLAG.

Action - LCC have undertaken a survey at and found an issue with highway drain – this to be repaired by mid-July

- The FLAG asked that the sandbag bins close to the Memorial Hall be located – this was agreed – WC to agree new locations with the FLAG.

Update - Works completed

- The FLAG asked whether a level marker could be installed in the river at the outfall from Ainspool to the River Wyre so that it could be read from a drone during a flood incident. GK agreed to look into the possibility of providing this.

Action - EA

NEW ISSUES - MEETING 18 MAY 2021:

- The FLAG requested that LCC the outfalls by Kirkland Bridge be amended as water cannot discharge to the river when it is high.

Update: Flap valve on east side of Kirkland Bridge is to be adapted and the two flap valve on the west side of the Bridge are to be adapted.

ST.MICHAELS:

MATTERS ARISING FROM LAST MEETING:

- Responses to issues raised have been included in the revised Issues & Actions log (dated 27 May 2021)

NEW ISSUES - MEETING 17 MAY 2021:

- Lower Wild Boar, off Rawcliffe Road; river embankment is leaking and trees are growing in the embankment. EA are aware – FLAG want to ensure that EA have investigated and checked that embankment is secure.
- Unknown persons have put in a clough on Humblescough Brook watercourse under the road leading to the quarry. EA claim not to have installed this. Can EA investigate it?

GREAT ECCLESTON:

MATTERS ARISING FROM LAST MEETING:

- The FLAG asked that the highway drainage on Butts Lane be checked due to flooding of the highway close to the junction with the A586.

Update: Works undertaken by LCC

- Whites Bridge - concern about flooding of A586 and the potential for a vehicle accident when hitting floodwater, particularly at night. The FLAG asked that LCC consider improved signage to warn drivers in advance of floodwater.

Action - LCC / EA

- Flooding to Lancaster Road and Raikes Road - regular flooding at junction with A586. While works have been undertaken to improve the drainage on the north side of the A586, further works, including to the pipe that outfalls to the need undertaking.

Action - WBC / UU

NEW ISSUES - MEETING 18 MAY 2021:

- The FLAG asked that the highway drainage on Butts Lane (at the junction with Back lane) be checked due to flooding of the highway.

Action - LCC

PILLING:

MATTERS ARISING FROM LAST MEETING:

- The FLAG raised a number of issues with highway drainage throughout the village – these have been raised previously with LCC and detailed in the Issues & Actions Log; the FLAG are looking to LCC to confirm whether or not these have been addressed – see Issues & Actions Log

Action - LCC

NO FLAG MEETING IN MAY - NO NEW ISSUES:

OUT RAWCLIFFE:

MATTERS ARISING FROM LAST MEETING:

- EA previously advised that they would investigate problem of water logged fields – no communication yet from EA. Can EA confirm that this is in hand?

Action - LCC

- Road flooded, Bodkin Lane.

Action - LCC

- Dry Bread Lane, matters being managed by Mark O'Donnell.

Action - LCC

- Union Lane watercourse which flows to Broadfleet in Pilling, running clear?

Action - EA to confirm.

- Road flooded on riverside road Out Rawcliffe, at the bottom of the hill just past Town End, possibly a drain needs clearing, but water is normally across the road.

Action - LCC

- Knitting Row Lane / Hudson Cottage, needs attention re drainage into field.

Action - LCC

NO FLAG MEETING IN MAY - NO NEW ISSUES:

5. ISSUES AND ACTIONS UPDATE:

The updated Issues & Actions list is attached as Appendix 1

- PL confirmed that Wain Homes have now completed the installation of the surface water discharge pipe from the Lambs Hill development to the River Wyre.

- CG reported that local councillors had raised issues about the Ainspool watercourse and the number of recent developments in the area – they have asked whether this could be modelled. SW said that she would make GK aware of this.

6. NEW ISSUES:

- CG reported that Cllr Clempson has raised an issue of foul flooding to Bluebrook Ave., Hambleton. It is unclear whether this is due to improper connection of the foul system or a capacity issue. Investigation of foul drainage is being undertaken by UU.

Action - UU

- CG reported that he received a report of damage to a bridge over Horsebridge Dyke watercourse on The Oaks, Poulton. It is unclear who is responsible for maintenance of the bridge.

7. HAMBLETON AND PREESALL WALKOVERS:

PL confirmed that the following walkover inspections have been agreed with FLAGS;

- Preesall – 3 June, 10am – Meadow Ave.
- Hambleton – 21 June, 11am – Shovels car park

8. ANY OTHER BUSINESS:

- MO noted that a significant number of the issues that are being looked at by the Group are the responsibility of riparian owners, and the councils and other agencies have been picking up issues which were not really theirs to resolve. RC said that she has arranged a meeting with Christina Worsley from the Flood Hub to look into this issue and to include local information with regional and national initiatives.
- CG noted that TM has undertaken SuDS works in Thornton area, including King George's fields. He offered to show
- PL reported that he and Thornton FLAG had recently inspected the confluence of Royles Brook watercourse and the watercourse from Anchorsholme Lane East. The watercourse is full of debris and needed cleaning out. He asked if the EA would consider removing this as part of future works to Royles Brook. SW said that she would take this back for consideration.

Action - EA

- RC confirmed that Kevin Kellett would be leading on flooding issues in Wyre for LCC until a replacement for Alistair Graham, who has left the authority.
- RC reported that she is about to commission the council's Framework consultant to undertake a preliminary appraisal of Thornton-Cleveleys to see if there is scope to access money from Defra investment programme. Works to be undertaken later this year.
- RC reported that the framework consultant will also be used to catch up on outstanding Section 19 reports, up to and including the 2019 floods.

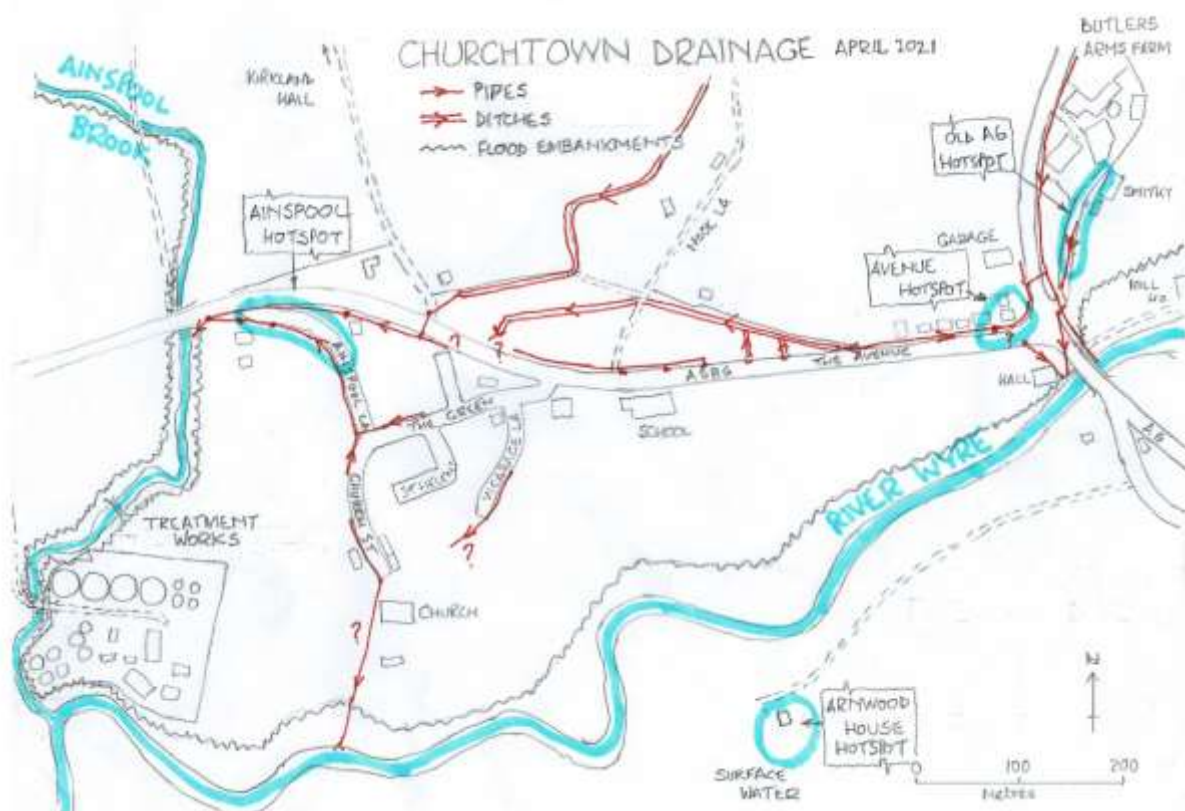
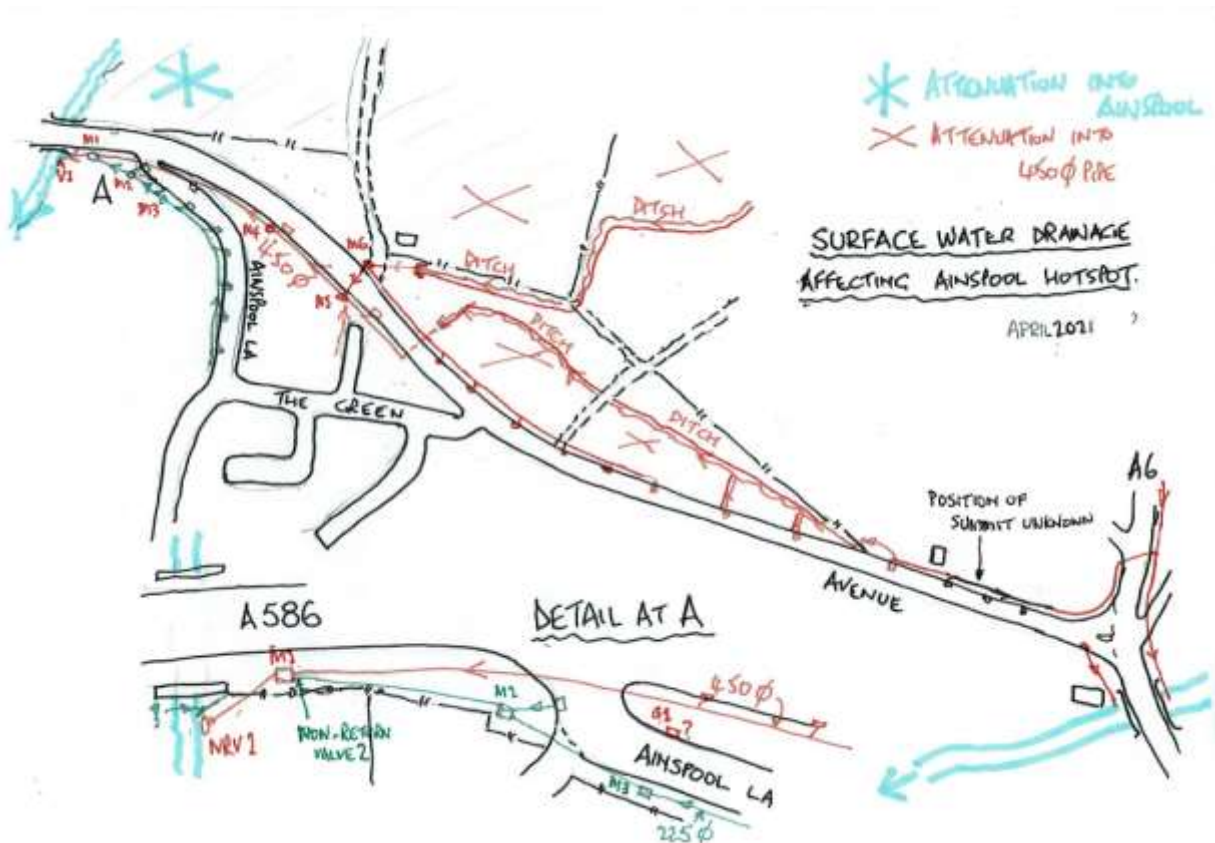
9. NEXT MEETING:

26 August 2021, 10am start – Details to follow.

APPENDIX 3

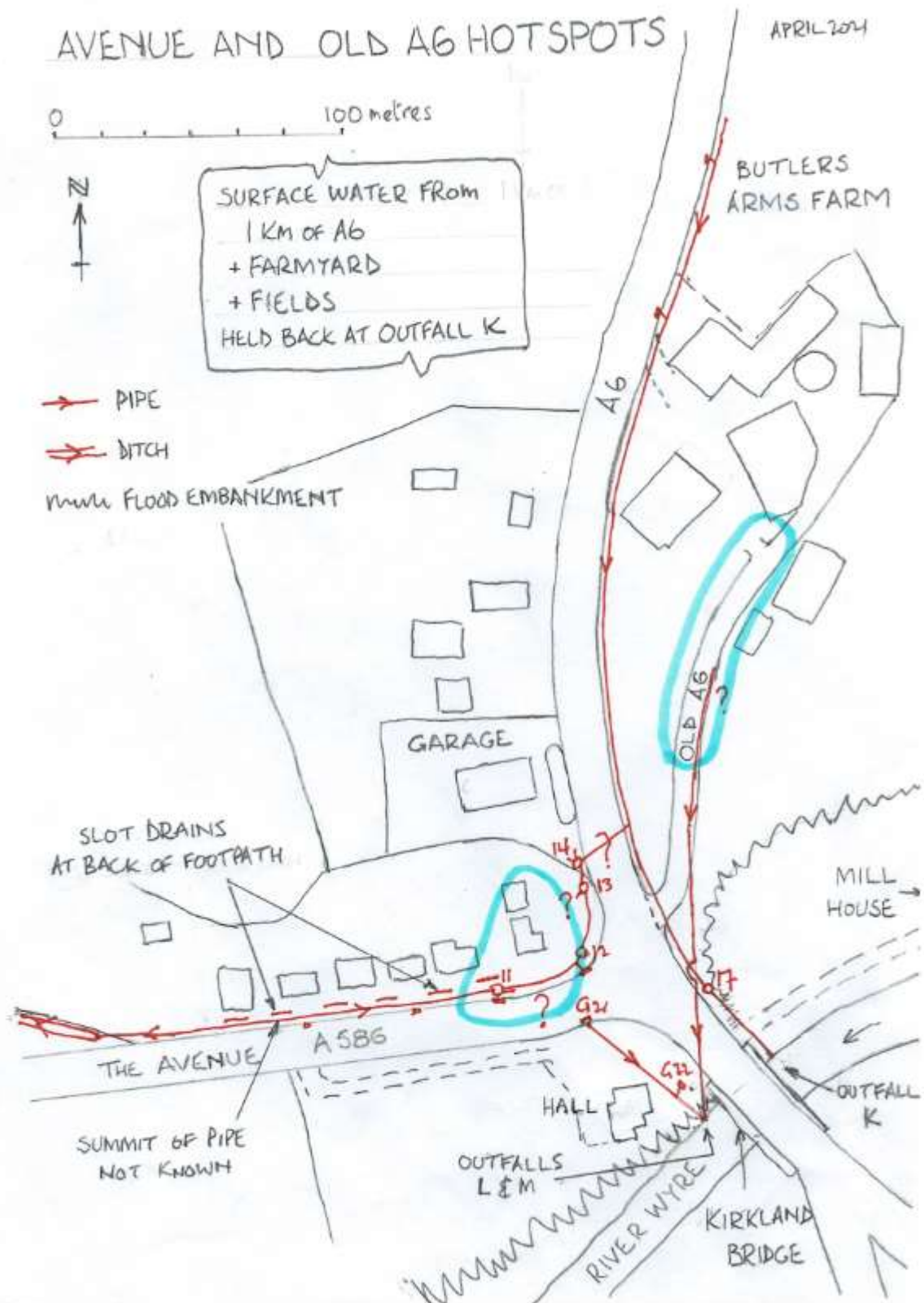
ISSUES RAISED BY FLAGS

CHURCHTOWN FLAG:



AVENUE AND OLD A6 HOTSPOTS

APRIL 2024

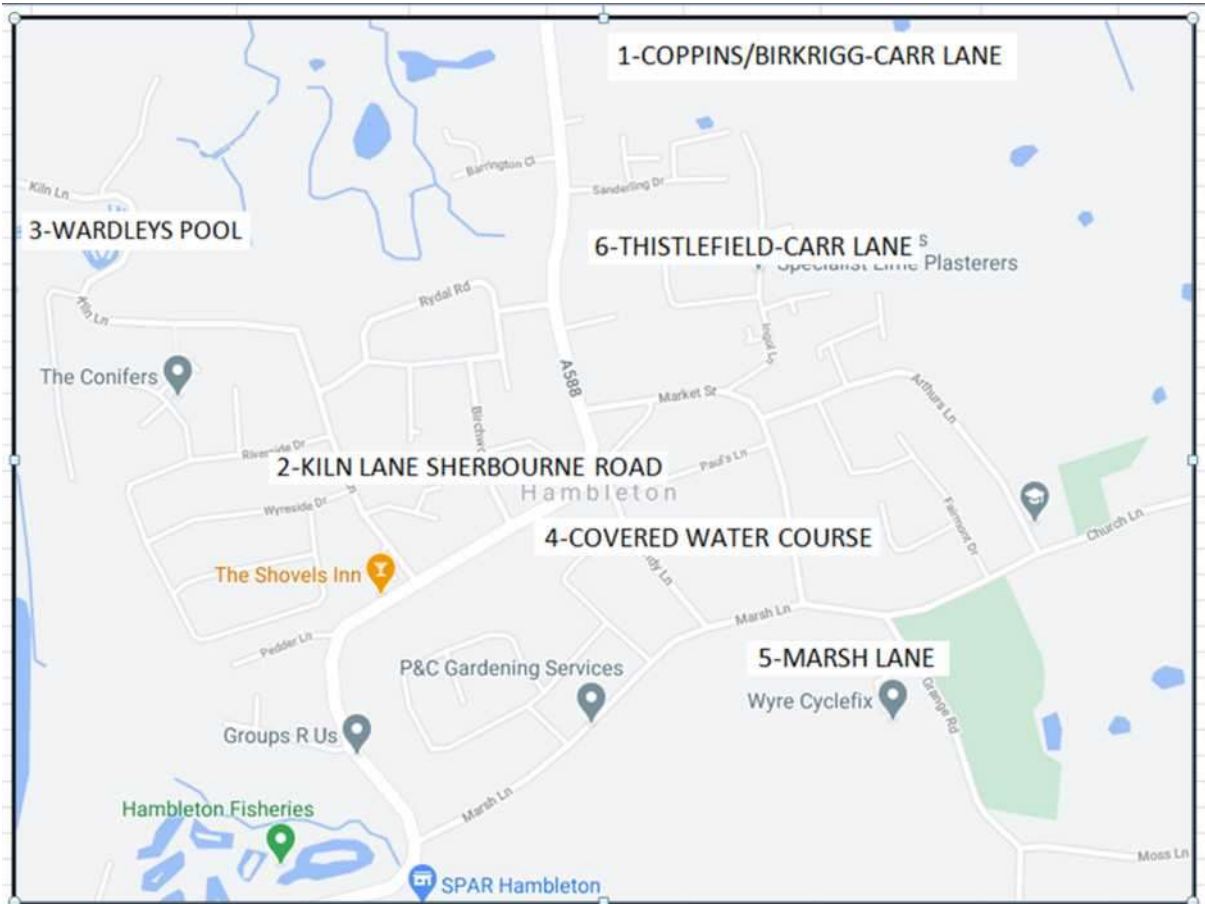


HAMBLETON FLAG REPORT MAY 17 - 2021

For consideration at Planned Meetings the WBC / Flag Meeting 17th May 2021 and the MSFW meeting circa 20th May and this is our report for the Flood Forum 27th May

Note Sections 1 & 2 of this report were previously issued separately

MAIN ISSUE HEADINGS



CONTENT 1-COPPINS/BIRK RIGG - CARR LANE 2-KILN LANE / SHERBOURNE 3-WARDLEYS POOL 4-COVERED WATER COURSE 5-MARSH LANE 6-THISTLEFIELD CARR LANE 7-SALT MARSH LANE

GENERAL ISSUES INFORMATION?

We have many outstanding requests for information so as to better understand our systems and its problems.

These are detailed in the sections following

There appears to be a general reluctance to issue information, this reluctance has also been encountered by other FLAGs whom I have contacted in this regard. It seems the mention of 'COPYRIGHT' is a get out jail free card. Without full information we remain uninformed and can only guess and speculate regarding the cause of problems and the possible solutions. We request action in this regard.

ISSUES AND ACTION LOG?

Entries in the issues and action log don not fully/accurately represent Hambleton issues. With this being the go to document for some, knowledge of our problems is not properly disseminated

HAMBLETON SUBGROUP?

Is was agreed that a Hambleton Subgroup would address Hambleton Issues. The last set of issued minutes are for the meeting of 1st Dec 2020. Can it be confirmed that this subgroup continues and will issue separate minutes.

1 COPPINS/BIRKRIGG -CARR LANE - PROPERTY & HOUSE FLOODING

This report is being issued to create renewed awareness of details of the long standing problem, a holistic solution for which is still eluding the various agencies. A recent letter to Birkrigg owner K.Leveredge from Ben Wallace advised by LCC position only reiterates the vulnerability of the low laying area (see Flood Risk Map attached). Flood Management legislation mandates Section 19 reports by LCC (The Lead Flood Authority), which whilst noting this flooding occurs have had little effect in addressing issues. The LCC letter fails

to consider the following suggestions, and most importantly fails to recognise that it has been known since 2013 that the 'Queensland Culvert has been unlawfully culverted. The letter suggest that the property owners need to take their own action, any action taken would not reduce risks in isolation. The following FLAG report suggests areas and actions that we believe should be considered to mitigate this vulnerability and alleviate the hardship caused.

AREA PLAN



OVERVIEW

Factors causing flooding:

- 1-Field drainage and filling in of ditch (Field Owner)
- 2-Carr Lane / A588 blocked gullies (LCC)
- 3-Carr Lane / A588 blocked underground pipes (UU)
- 4-Carr Lane / A588 lack of traffic management during flood event, forces water waves onto properties (LCC)
- 5-Drainage ditch restricted by unapproved piping by property owner (Queensland)
- 6-'Wardleys Pool' & 'Kiln Lane' watercourses lack of desilting (property owner? / EA)
- 7-'Wardleys Pool' flap valve restricts flood flows at high tides(EA)

History of action taken:

- 1-2012 Area flooded and has been with the Making Space for Water and Flood Forum until now.
- 2-2014 New road gully installed draining to piped culvert. The gully gets regularly blocked by silt washing from the higher field, and the piped culvert flows are insufficient
- 3-2015 Another Road gully considerably to the north near Carlyn (5 properties from Coppins) installed.
- 4-2018 LCC cleaned gullies and will check after next rain
- 5-2020.LCC install new surface water drain pipe providing connection to northern outfall. This proved unsuccessful in alleviating flooding.
- 6-2021 EA recognises that the unconsented piped ditch (noted in 2013) needs their intervention with the landowner

Z- r.

FLAG report, comment and request for action:

General

The plan used above from 2013 notes in blue (ref E) the Queensland pipe culverted and standing waters. The same conditions still apply and occur at numerous property flooding events, which have happened since.

Our report covers:

- a) Flow into the area from the field
- b) Flow across the road
- c) Flow into the properties
- d) Flow from the properties
- e) Flow away from the area

a) Flow into the area from the field (LCC, WBC)

The surface water from the field (refAO used to flow into a water course which has now been filled consequently the water flows onto the A588 causing flooding with the inability of the road drainage to cope.

Can LCC consider re-establishment of the water course and introduction of a culvert/pipe under the road?

The Field to the North (ref F) uses this solution.

Can WBC or LCC advise if there are specific farming techniques that can be recommended or mandate to reduce run-off to the A588?
Does LCC have powers and or road traffic responsibilities that can be used to mandate actions to prevent the landowner flooding the road and increasing accident risk

b) Flow across the road (WBC, LCC,UU)

LCC have installed a new pipe in 2020 and a new road gullies in the past, however these soon silt up with the water flow from the field (ref A) and the piped culvert upon which they rely, easily floods.

As a FLAG we have requested information with regards surface water drains and foul sewers in this area.

Can WBC, LCC or UU supply this for our information?

The current system of gully cleaning/unblocking relies on the public reporting system. Does the LCC maintain a list/register of gullies that require lots of cleaning because of silt, and is this information being used to target areas for increased scrutiny and preventive action.

c) Flow into the properties (WBC, LCC)

The A588 road level has risen with various constructions and resurfacing reducing kerb heights.

Can LCC respond to suggestions that have been made with regards drainage kerbs (beany blocks) on the West side of the A588 in front of the vulnerable properties (ref D) preventing/reducing ingress into the properties? Of course the successful operation of this would require the 'Queensland' Culvert (ref E) to be flowing sufficiently.

Can WBC, LCC introduce/ install speed control measures so as to prevent 'waves' of water being created by inconsiderate motorists. These could be permanent that could be switched on or warning signs that be left with residents with permission to deploy. The flooding is greatly exacerbated by these bows waves of water created by the traffic.

d) Flow from the properties (EA, LCC)

Removal of the unapproved piped 'Queensland Culvert' would assist water flows. This was surveyed/noted in 2013 without action.

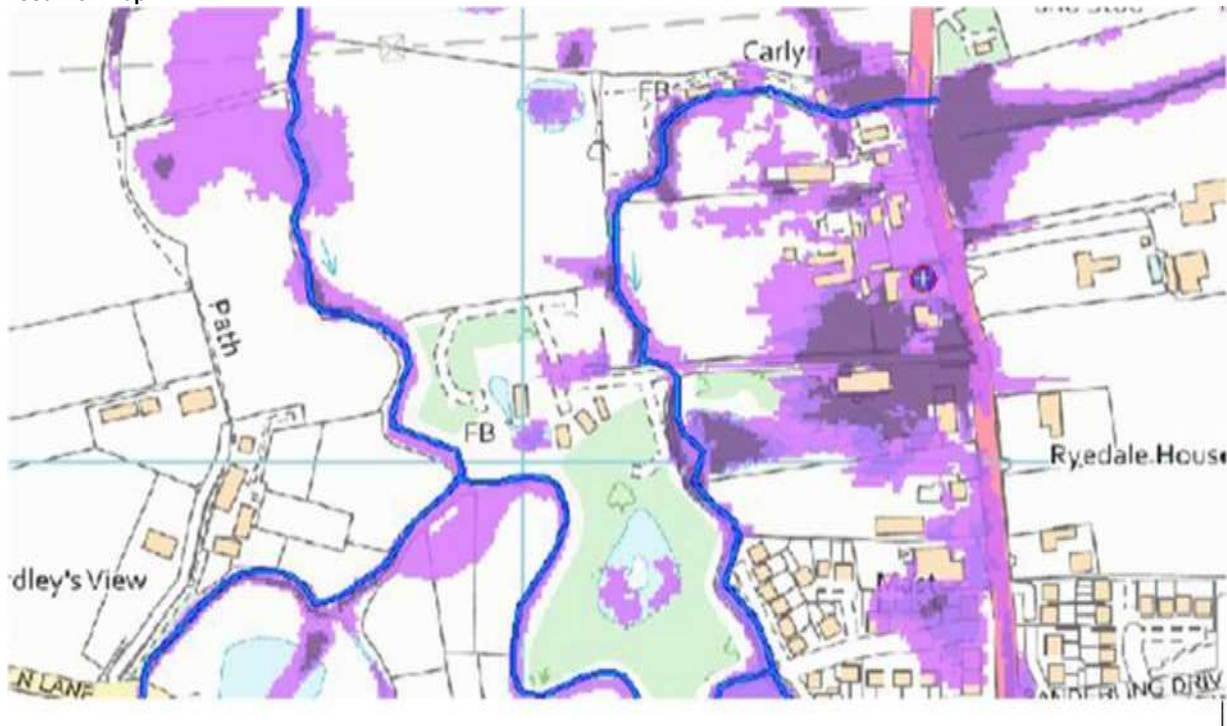
The latest minutes of the MSFW meeting notes an action for EA, can they advise when they will contact the owner and what course of action may be requested and if this will include removal of the pipes.

e) Flow away from the area (EA)

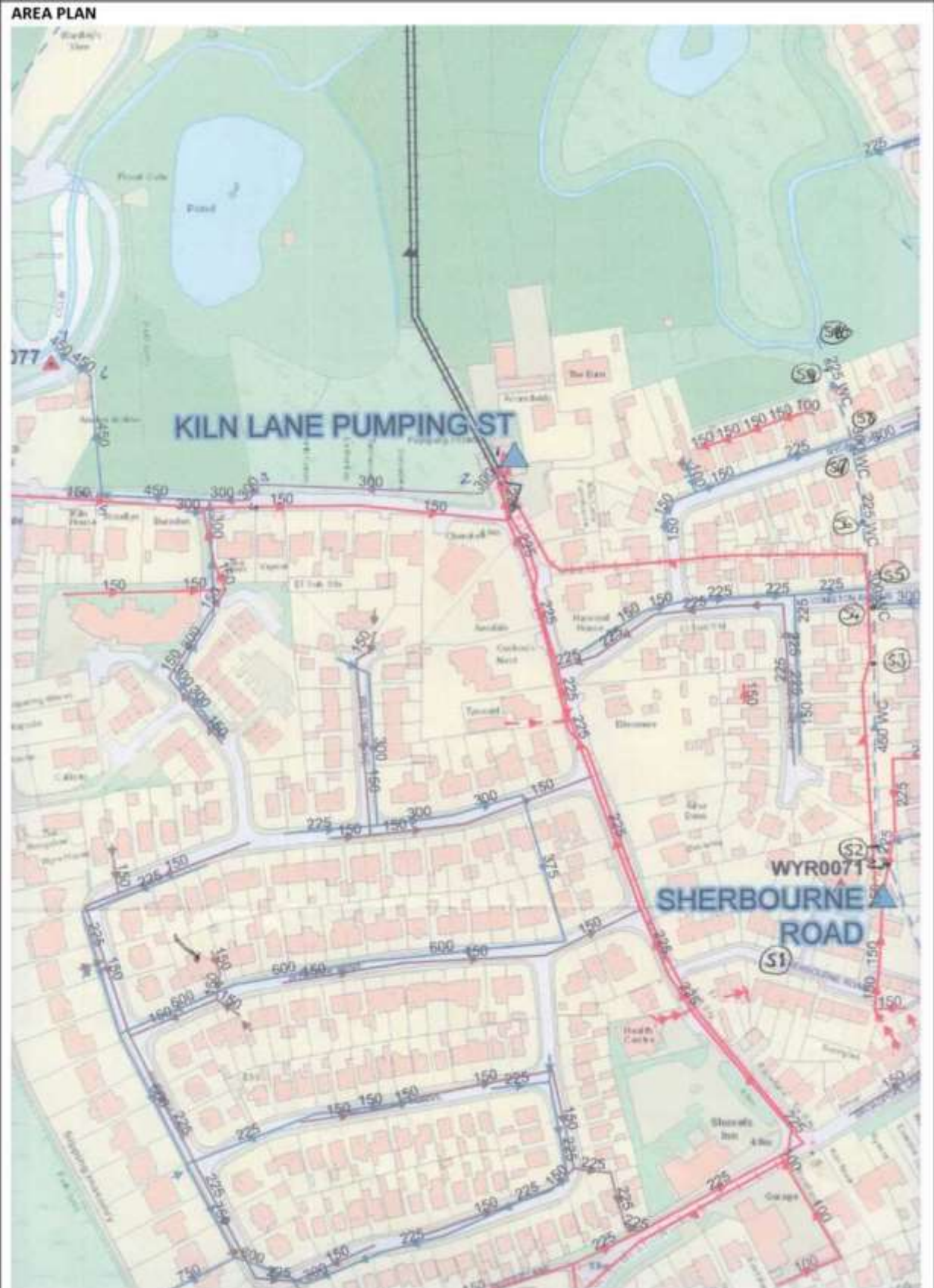
Notwithstanding the piped culvert water still stands as indicated in 2013 (ref E)

The open watercourse (ref H) 'Kiln Lane Pool' - EA id 348633, drains the local area into 'Wardleys Pool' EA id 376083. MSFW minutes of Mar 2014 indicate a silt survey was carried out by EA. Can the EA confirm when the next survey is planned, and what can be done with regards improving drainage flows from the area.

Flood Risk Map



2 KILN LANE / SHERBOURNE RD - PROPERTY & HOUSE FLOODING



OVERVIEW:

This report is being issued to create understanding of the extent of the problem and unanswered requests for information and action. Kiln Lane and Sherbourne residents, Hambleton residents, Hambleton Parish Council, Wyre Borough Council, Lancashire County Council, Wyre Flood Forum, Making Space for Water Agencies, Local MP's Office, and most importantly United Utilities are

aware of the flooding that occurs and has been occurring for more than 10 years. In all of that time the definitive detailed actual causes of high tide flooding of both the surface water and foul systems, creating surface flooding near to Kiln Lane Pump Station and actual property and house flooding to properties on Sherbourne has yet to be established. The approach by the agencies to date has been piecemeal and does not address actual cause which remain unknown and need to be established; following from which a holistic approach to solving/mitigating the problem hopefully will come. A separate working group was established on the back of the MSFW meetings we hope this can be used to provide the focus required. Flood Management legislation mandates Section 19 reports by LCC (The Lead Local Flood Authority), which whilst noting this flooding, have had little effect. The following FLAG report essentially reiterates where are and request information and suggests actions that may be considered.

Reasons for Flooding

The system is overloaded, but responsible agencies are unable to determine specific reasons.

History of action taken:

Several Section 19 reports

Local report yet to be completed

Rydal Out fall opened up part of pipe surveyed?

Kiln Lane Outfall opened up

Most recent

UU survey of top end of Kiln Lane, which has highlighted a significant number of significant defects requiring action

FLAG report, comment and request for action: General

The general plan included here shows the areas relative to Kiln Lane and Sherbourne flooding. Work has been done with regards Rydal Road (Kiln Lane Water Course) out fall (ref S10) and the associated piped water course and recently the Kiln Lane Water course outfall (ref K16). However essentially the same conditions still apply in that flooding risk still exists for when heavy rainfall coincides with a high tide. The manholes and gullies in Kiln Lane, during flooding can all be observed surcharging up and flooding the road. At Sherborne Rd the flooding regularly enters houses, along Kiln Lane the roads are flooded to 300 or 400 mm (notwithstanding a central high area). Because the gullies and the manholes surcharge it was thought that Kiln Lane was a combined surface and foul system; it would now appear that it is separate, our requested for information showing this is outstanding. Our report covers:

a)-Sherbourne Road Surface Water System b)-Kiln Lane West Surface Water System d)-Kiln East Surface Water System c)-Kiln Lane Foul Water System

a)-Sherbourne Road Surface Water (WBC, LCC)

This surface water drains from Sherbourne Road to the piped water course which outfalls into Kiln Lane Watercourse. The system is shown on the plans (ref S1 to S9) as 450WC, 300WC, 225WC, 300WC, 225WC. Also connected into this system are the surface water drains from gullies in; Rydal Rd, Coniston Ave, Birchwood Drive, Woodhall Gardens, Broadpool Lane, Ryecroft Ave., Sandy Lane, Pauls Lane, Stoney Lane, Market Street, Arthurs Lane, Broadlands Ave, Crookland Gardens and Aldwath Close; which lends a particular importance for this line to be operable. These lines also include further sections of riparian ownership piped water courses. There appears, from the plans supplied, to be a reduction of pipe diameters in the direction of flow when an increase would normally be the correct engineering solution.

Reviewing the system in order of direction of flow;

Ref S1-S2, unmapped drainage, (under roads?, under gardens?) responsibility of LCC&UU. Area has been subject to investigation, report is still in progress, when will this be issued ?(WBC)

Ref S2-S3, -450mm diameter WC pipe under gardens of Riparian owners, 6 no. Ullswater Close properties.

Ref S3-S4 -450mm diameter WC pipe under gardens of Riparian owner 24 Coniston Ave. Concrete manhole in the front garden pointed out to LCC is this on the line.

Ref S4-S5 -300mm diameter WC pipe under Footpath South -Coniston Ave-Footpath-North responsibility UU. The WC pipe shows reduces in size from 450mm diameter to 300mm diameter, reducing capacity by 56%. There are pipes from road gullies feeding in from the east on the south side and from the west on the northside. These are 90 degree changes of direction. Can UU consider the installation of a manholes for inspection and maintenance. The North Footpath outside 17 Coniston shows evidence of subsidence.

Ref S5-S6 -225mm diameter WC-Pipe under garden of Riparian owner 17 Coniston north. The WC pipe reduces further in size from 300mm diameter to 225mm diameter, this is a reduction in capacity, compared to the 450mm diameter pipe of 75% !!

Ref S6-S7 -225mm diameter WC pipe under garden of Riparian owner 49 Rydal south. There is a manhole in the driveway. Has

this been surveyed to see if it is on the WC line? UU/LCC/WBC

Ref S7-S8 -300mm diameter WC pipe under Footpath South-Rydal Rd-Footpath North responsibility of UU. The WC pipe increases back to 300mm diameter.

There are pipes from road gullies feeding in from the east on the south side and from the west on the northside. These are 90 degree

changes of direction. Can UU consider the installation of a manholes for inspection and maintenance.
Trial hole by dug 2019 failed to find pipe, we understand it UU or could have been LCC that dug trial holes to find the pipe,

however they encountered running sand and the hole was backfilled.

Ref S8-S9-225mm diameter WC pipe under garden of Riparian owner 24 Rydal north

Ref S9-S10-225mm diameter WC-pipe across field Riparian owner (ref R1).

RefS10-225mm diameter WC-pipe outfall EA?

Cleared by LCC 2019. Note: At the time items of sewerage nature were observed, suggesting there may be illegal foul connections.

Whose responsibility is the outfall ?(UU, EA, LCC)

Are there plans for maintenance/inspection of this outfall ? (UU, EA, LCC)

Summary Comment

Is our understanding that the pipe has been camera surveyed correct ? (LCC/UU)

Were any illegal foul connections noted during the survey (LCC/UU)

Is the fact that the pipe diameter reduces from 450 mm to 225mm born out by survey.(LCC/UU)

It would seem to be quite obvious that over time this pipe has become extremely overloaded and that it is a major factor in the road flooding in Hambleton. Who owns this responsibility ?(LCC/UU/WBC/Riparian) and what action can be taken.

b)-Kiln Lane West Surface Water

From local information, we understand, this drainage was put in following river flooding into Kiln Lane. It was then modified with a flap to the outfall to prevent back flow from high tides, and then further modified with a secondary flap/one way valve. Requests for plan details commenced by letters in March & April 2018 to UU, particularly with regards pump station connections, we are still NOT in possession relevant information. Can UU commit to passing on what they have, and if information is lacking that is required to review/assess the system operation that that information is surveyed.

Reviewing the system in order of direction of flow;

Ref KI-K2-300mm diameter pipe responsibility UU, flowing from the Pump Station Area.

Is this connected to the pump station in some way, emergency gravity overflow ?UU?

Or is this connected to the Kiln Lane surface water UU?

And if it is how are the two outfalls at ref K10-K11 connected

Ref K2-K3-300mm diameter pipe under field Riparian ownership

Ref K3-K4 300mm diameter pipe under road responsibility UU

Ref K4-K5 300mm & 450 mm diameter pipes under road, with square manholes, responsibility of UU

Ref K5-K6 450mm diameter pipe under field & garden Riparian owner cottage and field, is this correct as this was not a previous water course whose responsibility is the pipe Do we assume manhole, responsibility UU, with secondary flap/one way valve?

Ref K6-K7 450mm diameter pipe under road (and future EA flood protection works)responsibility UU

Ref K7-Outfall responsibility UU/EA?.Wardleys pool flap. Can UU/EA provide the invert level?

Summary Comments

Did the last UU surveys include this pipe run ?

Knowledge of the invert levels at beginning and end are need to review reaction with the tide levels UU

The nature of the connection at the pump station end is also need for review

c)-Kiln East Surface Water

We have no detail plans of the surface water system and if not available can they be established by survey for review and information. Is there any connectivity with the foul drain system. Is it the pipe configurations at the pump station that cause flooding at the same time as the foul system Reviewing the system in order of direction of flow;

Ref K10-Manhole in footpath outside pharmacy, is this the surface water? UU

Ref K11-2no manholes 1 circular 1 triangular is one of these the surface water ? UU

Ref K12-1no manhole circular is this surface water? UU Ref K13-2no circular manholes is one of these the surface water ?

UU

Ref K14-1no square manhole is this the surface water ? UU

Ref K15-2 no surface water pipes, riparian ownership previously understood as redundant, there is a change of direction is there a

manhole on the ground

Ref K16-2no surface water pipes, Riparian ownership. 1no pipe recently discovered at out fall. Has the pipe been cleaned/ surveyed? What are the plans for searching for the second pipe? Whose responsibility is this? WBC

d)-Kiln West Foul Water

Ref F1-The line down Kiln Lane commences in Broadpool Lane. It receives the sewerage pumped from Green Meadow Lane Pump Station

Ref F1-F2-F3-F4-F5-F6-F7-F8-F9-F10 are manholes along Kiln Lane, all of which undergo surcharge during flooding events (together with the Surface Water Gullys) and between Ref F7 and Ref F8 air bubbles are seen rising from the road surface above the sewer line.

Following prompting to Ben Wallace UU Katy Duffy met Mike O'Flaherty early 2020, UU advised that their computer modelling indicated that flooding should not occur during high rainfall events and advised that they would be installing monitors mid 2020 to gather data in order to receive this and perhaps discover where the system may be compromised. This promise was not met, it now seems that we MIGHT receive some monitoring as part of a larger scheme re 'Fleetwood' monitoring.

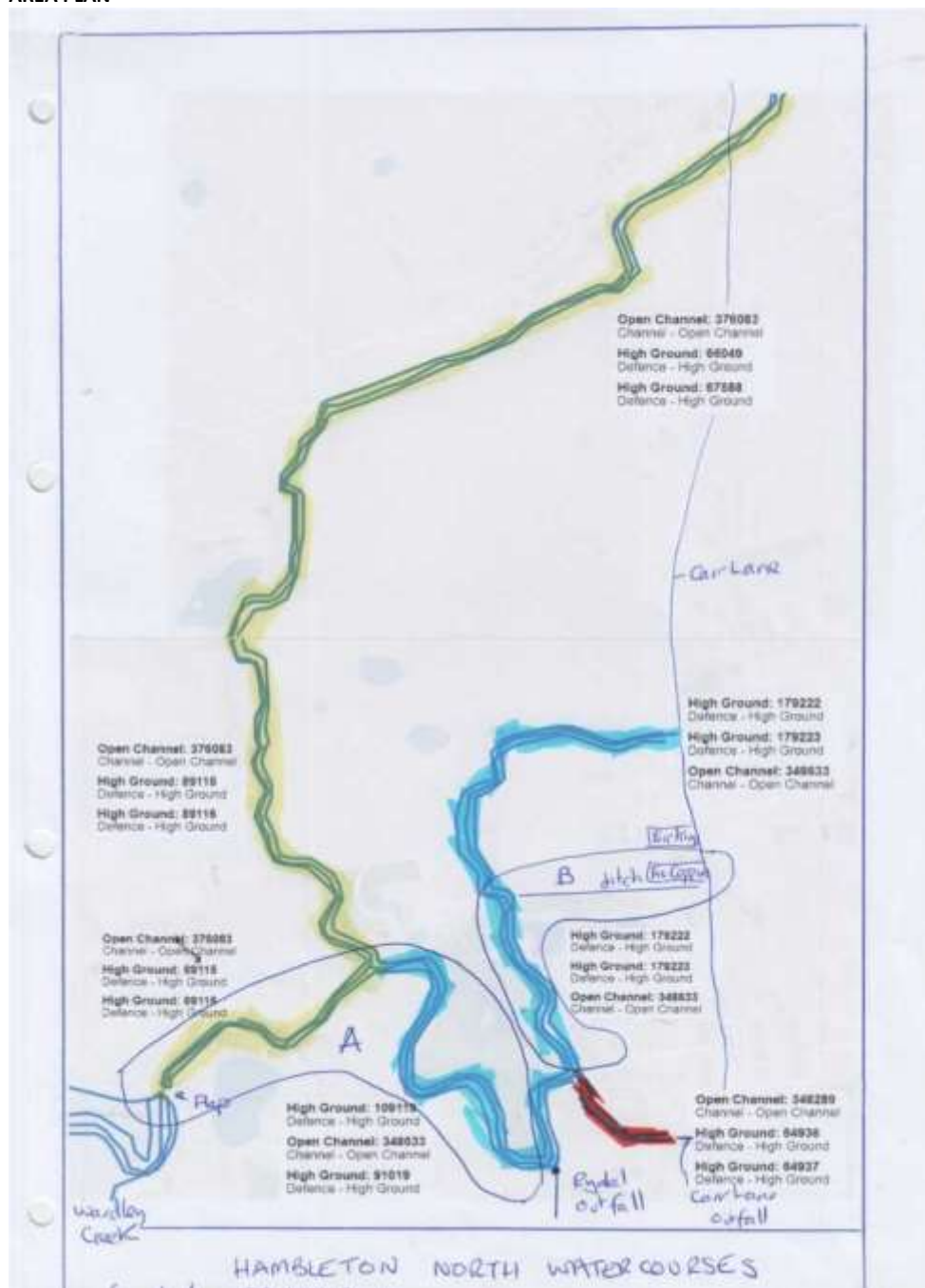
This review will address the inflows to the system. The Kiln Lane Pump Station receives ALL the sewerage from Hambleton, this includes a pressure main which from Sherbourne Road Pump Station to Kiln Lane Pump Station which runs under the gardens (possibly extensions) of 22 properties. We do not have the information as to how much sewerage is received from Stalmine and villages north?

We all know that the capacity of a system is not considered during planning applications. All Hambleton residents know of the continued increase of development.

We reiterate our request for Pump Station Details; of inverts, sump capacities, overflows for our review and information

3-WARDLEYS POOL

AREA PLAN



OVERVIEW

Reasons for flooding:

1-General Silting up preventing flow and causing flooding 2-The Outfall Flap and drainage capability improvement to be done with flood defense works

History of action taken:

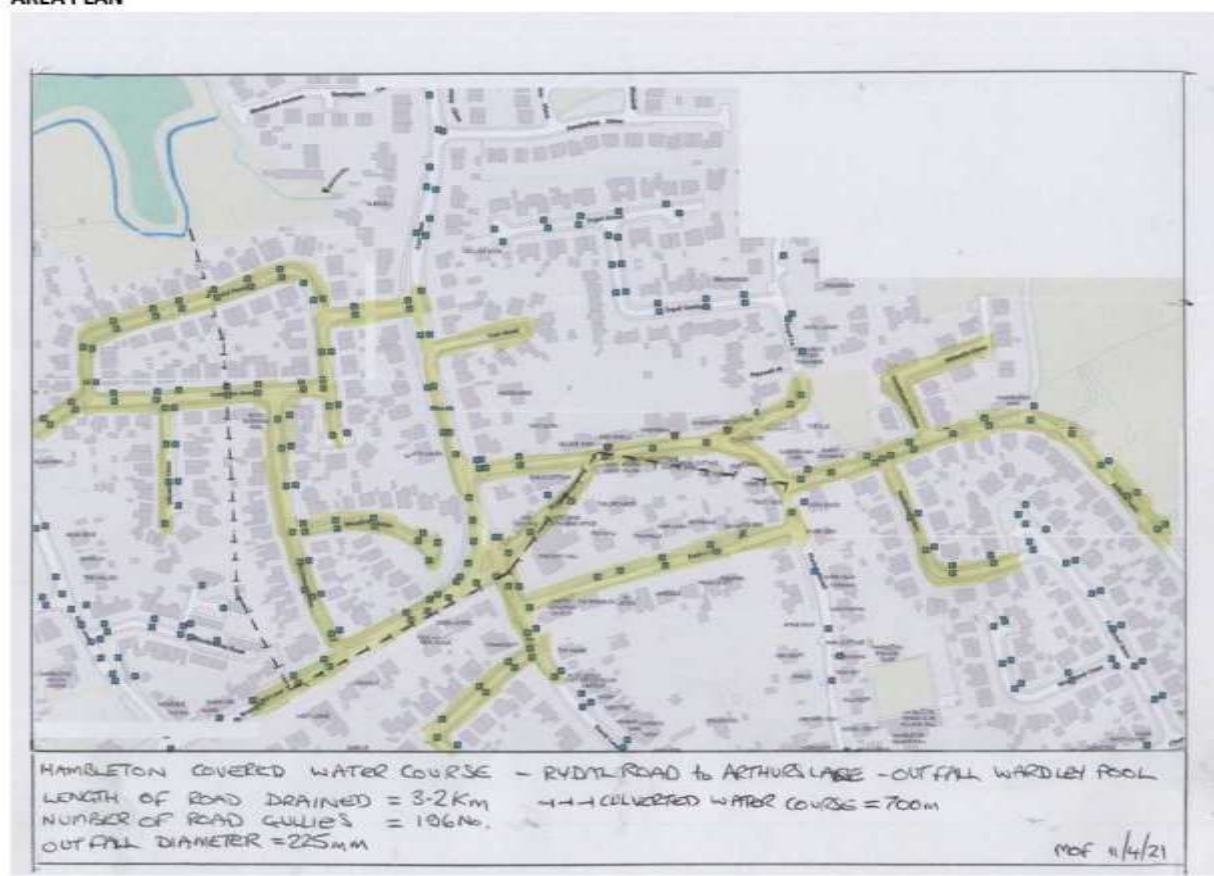
Survey of area determining silt levels remain unchanged

FLAG report, comment and request for action:

In recent meetings EA has undertaken to review the possibility of increasing the flap valve pipes so to facilitate a longer period of drainage, where level remain high behind. At the the moment a very small tide rise closes the flap Can EA advise the current status.

4-COVERED WATER COURSE - RYDAL ROAD /ARTHURS LANE OUTFALL

AREA PLAN



OVERVIEW

This system represents 35% of Hambleton surface water drainage; it has road catchment length of approx. 3119m with approx. 196 road gullies. The outfall into Wardleys Pool is only 225m despite pipes within the system being up to 450mm. The main pipe is a culverted water course of approx. 700m most of which is under riparian ownership

The detail of the lower section is covered under section 2 Kiln Lane/ Sherbourne

Reason for flooding (agency)

- 1-Blocked Gulleys (LCC)
- 2-Blocked Drainage Pipes (UU. Riparian owners)
- 3-Silted Watercourses (EA)

History of action taken:

- 1-Carr Lane Gullies reported to LCC and unblocked
- 2-Reecnt UU survey shows a significant number of significant defects requiring action

FLAG report, comment and request for action:

Due to the importance of this system to Hambleton we request an overall short term and long term plan for action

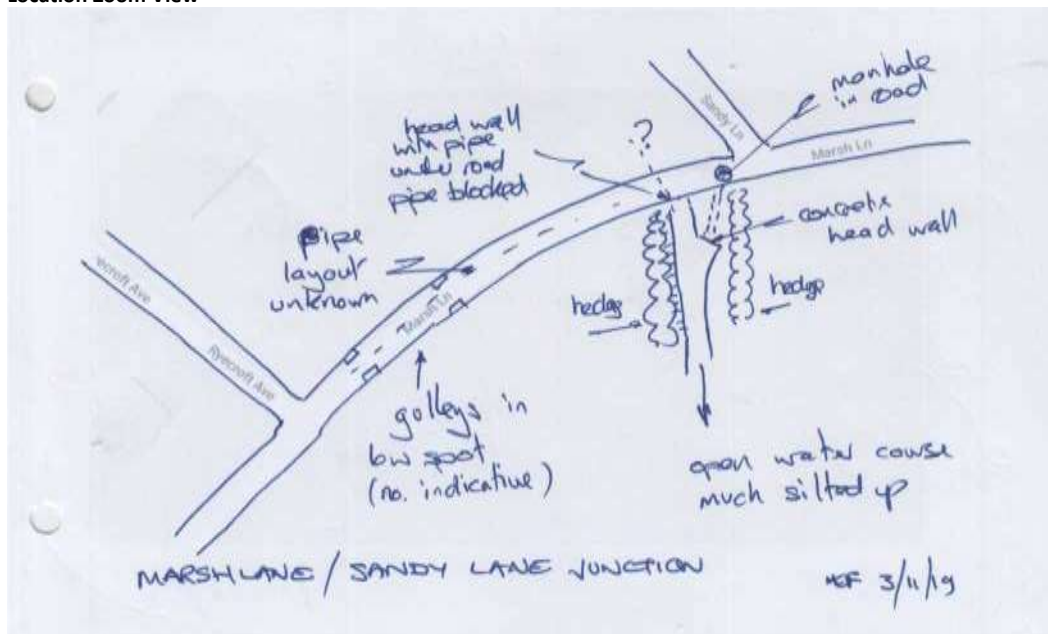
HAMBLETON SURFACE WATER PIPEWORK SUMMARY

Hambleton System	%	Road Length m	Gullies no.	Outfall Dia mm
Rydal Road	35%	3119	196	225
Church Lane	16%	1457	81	450
Riverside Drive	12%	1120	78	750
Thistlefield-Carr Lane	12%	1104	44	225
Greenmeadow	8%	733	51	450
Marsh Lane	5%	471	33	300
Kiln Lane East	5%	425	31	??
Kiln Lane West	3%	289	20	450
Salt Marsh Lane	2%	176	11	225
Barrington Close	1%	120	0	225
Totals	100%	9014	545	

5 – MARSH LANE AREA PLAN



Location Zoom View



OVERVIEW

The Marsh Lane system drains nearly 500m of road with approx. 33 gullies, there are two outfalls into the open ditch. The outfalls are 50% silted. During heavy rain the roadway floods.

Reason for flooding (agency)

- 1-Blocked Gullies (LCC)
- 2-Blocked Drainage Pipes (UU)
- 3-Silted Watercourses (EA)

History of action taken:

None known of

FLAG report, comment and request for action:

- 1-We request survey of the gullies and pipe system to identify action/remedial work requirement
- 2-We request EA survey and desilting of the open ditch through to Pegs Pool

**6 – THISTLEFIELD- CARR ALNE - OUTFALL
AREA PLAN**



OVERVIEW

The main A588 road floods during high rainfall The manholes have water uplifting from them

History of action taken:

None

FLAG report, comment and request for action:

- 1-We request survey of the Thistlefield pipe (riparian owner)
- 2-Verification that the mitigation measures in Sanderling Drive system are operating (holding tanks & flow restrictors)

AREA PLAN



History of action taken:

UU agree to dye test

FLAG report, comment and request for action:

Dye testing as agreed

Preesall FLAG Report 20.05.2021

Update on history of flooding, itemised on Issues & Actions Log, master copy 2020.
It states that the most recent event of flooding was November 2017 !

2020 saw six flooding events requiring interventions from WBC with
2021 two events already.

Whilst the new pump used on the second event was very quick and efficient in dispersing the flood water, there is still concern that the cause of the flooding has still to be addressed. In our recent FLAG meeting, Paul Long stated that there are outstanding plans and actions which hopefully will bring the problem under control.

The current spell of heavy rain drained well into the Green Lane watercourse with less sand running off the hill onto Cartgate. What is becoming more apparent is the increase in water flooding Sandy Lane, adjacent to Sunnyside. This may be attributed also to the clearance of shrubbery on top of Preesall Hill on the east side facing this area where land slippage can be seen.

It raises serious concerns for this part of Sandy lane, footpaths were flooded up to a depth of six inches, latest being May Day 2021. Thankfully both secondary and primary schools were closed that day as pupils and parents using this route would have needed to walk down the centre of the road at the busiest time of day. There is a drain running parallel to the path but it is currently full of silt from the run off.

The owner of the other half of Preesall Hill, towards Park Lane also raised concerns that they regularly clear their dyke system, which is currently full but that there then seems to be issues with a lack of flow across the land behind Springfield Cottages which should then run behind Sunnyside and into Green Lane.

This results in excess water retention on the fields next to no 1 Sunnyside causing flooding on Sandy Lane threatening properties there as well as that end of Sunnyside.

Hopefully the plans being drawn up and presented to MSFW will remedy this situation.

Flooded gardens/cross contamination issues on Coniston Avenue have been raised with United Utilities who are aware of the problem & were dealing

Pilling Lane/Meadow Avenue culvert. A walk through with LCC, EA & WBC to be arranged by Paul Long.

The group values the work done by all agencies and look forward to being able to relax.

Linda Rowland
Preesall FLAG secretary

Thornton FLAG (via email)

Stanah Road.

- a. Could you find out if ENWL have been contacted about the culvert under their concrete apron Stanah area, and if they have undertaken any work to clear their culvert?
- b. Where are we regarding the checking of the rest of the system from Cathrow Way to the pumping station? I know that there is a good proportion of riparian responsibility in this area but it would be great if people with responsibility for their culverts are contacted and a plan and timescale devised which would ensure the whole area flows freely prior to the onset of bad weather next winter.
- c. The development on the corner of Stanah Gardens to be constructed will use the system for its surface water removal. Has the development been held up until the system flows freely or is this not considered a problem?

Fleetwood Rd North.

- d. For the past two financial years LCC promised to sort the blockage outside the new Co-op. As far as I am aware this is still outstanding and this area of Fleetwood Rd North is to be resurfaced starting on the 25th of this month. It would be a shame to have to dig up the road again or are they planning on doing the work in conjunction with the road surfacing. Could you ask Mark please for an update?
- e. Also the homes over the road with downward sloping gardens have no freeboard on their dropped kerbstones so it would make sense to try to give them a little bit of a kerb to help alleviate some of the wash from passing cars outside their homes as they are resurfacing. Could you pass this onto Mark please?
- f. There is continual road flooding at the junction with Bourne Road (Lake Ballard) Mark was going to dig up the two drains in this area. LCC are going to adopt Bourne Road I believe in October but this work has been outstanding for the last couple of years so could you give him a nudge and try to get some sort of fixed date for these repairs.
- g. The culvert under Fleetwood Rd North which feeds the tributary of Springfield Dyke south of the Iron Horse is blocked. We have dyed it and no flow was obvious. Could you ask Mark if and when he is going to clear this culvert please?
- h. Also on our last inspection of this system just south of the Iron Horse the dyke is now blocked just after the first 90 degree turn north. It is totally choked up with weeds and old signs etc. This system drains land to the west of Fleetwood Rd through to the Pheasant Wood estate. As you know by personal visits this is the responsibility of NPL Estates and according to Mark (LCC) it also drains Fleetwood Rd North although we dispute this. We believe that surface water from the Fleetwood Rd area travels up Bourne Way in an Easterly direction. Could you once again request that NPL or POS Landcare maintain this area properly? We are aware that it is scheduled for building and it would be very expedient if this area wasn't crisscrossed with a drainage ditch.

We will be showing aerial photos of this area on our FB page this week dating from 2015 to last year. The amount of neglect is patently obvious.

- i. Moving onto Hawley Gardens the area is worse than ever. I know this is not your responsibility so I'm not sure what can be done but I believe that as existing areas of North Thornton drain through this system there should be a responsibility on LCC as Lead flood Authority to get something done.

The pond area in our opinion is patently dangerous for children. It would be impossible to see a child in distress in the long bulrushes. The lifebuoys are not easily seen or accessed. Once again there will be photos taken in 2015 and 2020 and the neglect obvious. Surely there should be some overarching responsibility on the Environment Agency or LCC. Clearly something has gone wrong in this area and it needs fuller discussion when the Flood Forum can once again meet in person. This is why in our opinion riparian responsibilities should lie with the proper agencies and not with some subcontracted company with no standards to work to.

We have concerns that the new development on the football site will also be riparian. Can you confirm if this is the case please?

I have asked Councillor Howard Ballard if a couple of our group can have a site visit and he is arranging this with the site manager. It would be good if you could accompany us as I said it was just a learning exercise as we can't see much from the periphery.

Others

- j. We had a meeting with Graham from the EA down at the Sandyforth Arms to look at the fitting of a camera overlooking the culvert which we use to assess the potential implications with high volumes of rainfall. He said he believed it was do able so could you ask Graham for an update regarding progress please
- k. Also whilst on the EA can you ask Graham how their study into the Stanah Pumping Station is progressing and when he believes it will be available for the Flood Forum to discuss.
- l. Could you also check with Tom Myerscough of the Rivers Trust regarding when the leaky dams are to be fitted on Peter Holts land. Richard Green keeps sending me pictures of the broken dam and I tell him that the leaky dams are to replace the existing structure which is clearly useless.
- m. A585 Amounderness Way - can an update on the clearance of culverts by Highways England be provided?
- n. Marsh Road / Church Road sewers - can UU provide an update on drainage works?
- o. Tesco car park, Marsh Mill, regularly floods – can EA check that culvert is running free?

WYRE COUNCIL FLOOD FORUM – ISSUES & ACTIONS LOG

New / Urgent issue

Ongoing issue

Completed issue

Updated text in red

Incident No.	Description	Action	Location	RMA Lead	Other RMAs	A-Z ref	Date Added	Status	RAG
19/35	<u>Gubberford Lane, Garstang</u> Query re surface water drain connecting to septic tank	- UU to speak with customer and provide feedback	Garstang	UU	LCC		UPDATED 18/02/2021	Ongoing: - UU have visited the site and discussed with complainant. Not a public sewer so no further UU involvement. - LCC (Highways) to undertake investigation of road gullies to establish if misconnected.	A
19/21	Great Eccleston pumping station 52544 - no evidence of sewage discharge from pumping station into the Wyre even though sewage discharged from pipe on Rawcliffe Road (see 19/20)	- UU to investigate and report back to Forum	Great Eccleston	UU			UPDATED 18/02/2021	Ongoing: - Site visit undertaken July 2019. - UU continuing to look into this. - UU remodelling network, including proposed new major housing development. - The project to accommodate the Great Eccleston development has been approved, and is with UU's Engineering and Capital Delivery team who have been tasked with providing a solution to alleviate the predicted detriment to the network. This is programmed to start in April 2021. Hopefully, (and if required) site investigations will be completed through June and July 2021, to then enter the discussions and contracts with UU's Contractor Delivery Partners in September 2021.	A
21/04	Flooding to Lancaster Road / Raikes Road.	- WBC and UU to undertake inspection of watercourses opposite Raikes Road and inspection of discharge pipe to River Wyre.	Great Eccleston	WBC	UU		UPDATED 18/02/2021	- Network inspected by WBC. Riparian owner of watercourse has undertaken clearance works at WBC's request - UU have inspected the outfall from the adjacent foul pumping station. The final section of pipework and the outfall accommodates both the overflow from Great Eccleston WWNT PS and a local watercourse that takes the highway drainage serving Raikes Road. The CCTV survey found no operational issues on this section and the upstream sections of the PS overflow. However, it was not possible to camera right up to the shared outfall due to a bend in the pipe. A joint site inspection carried out by UU (PJW) and WBC (KG) found the waters in the Wyre above the outfall so it was not possible to inspect the flap valve (re-visit required). Please note that the modelling work carried out by UU indicates that flooding will occur from the manholes on the outfall and possibly the manholes on the piped watercourse (not included in the model but has very similar cover levels to that of the outfall) when the Wyre is high and the outfall closed.	A
21/07	Flooding to Moss Side Lane – road impassable due to overflowing watercourse	- EA to look at Whites watercourse which is overflowing onto land to the east. - LCC (Highways) to consider raising road levels	Great Eccleston	EA	LCC		18/02/2021		A

Last update 24 June 2021

Incident No.	Description	Action	Location	RMA Lead	Other RMAs	A-Z ref	Date Added	Status	RAG
21/12	Butts Lane; junction with Back Lane	- Highway flooding due to suspected blocked gullies.	Great Eccleston	LCC			NEW 18/05/2021	- LCC to investigate / clear gullies	A
19/06	Flooding of highway, Carr Lane, Hambleton	<ul style="list-style-type: none"> - Blocked gullies and/or watercourse near to Hambleton paper shop - LCC (Highways) have investigated and will undertake works to redirect highway drainage. 	Hambleton	LCC	UU, WBC		UPDATED 17/05/2021	Ongoing: <ul style="list-style-type: none"> - LCC to undertake works to improve local highway drainage. Works to commence in New Year. New sub-group of MSfW formed. - Works to begin 2 March 2020 - See Sub-Group - UU Model shows flooding occurs from 1 in 5 year rainfall and below due to the system being overloaded by surface water during rainfall. Ongoing investigations into the catchment with a proposal to install flow monitors under the capital project Dynamic Network Management (DNM). Approval has already been obtained to mitigate a number of the properties that experience flooding and have been included in the YR22 programme. - LCC to survey drainage from Sandy Lane to culvert under Carr Lane. - WBC / LCC to liaise with resident at Queensland Country Park to look at opening up culverted watercourse. 	A
19/13	Kiln Lane / Sherbourne Road, Hambleton - Local area has suffered numerous flooding incidents resulting in internal flooding to a number of properties.	- UU to consider installation of new inspection chamber on culverted watercourse for easier access	Hambleton	ALL			UPDATED 07/06/2021	Ongoing - works undertaken; inspection only Carried over from MSfW Hot Spot <ul style="list-style-type: none"> - UU have inspected the banks of Wardleys watercourse and not located discharge point from culverted watercourse. - Investigation works may be required to ensure that water from local area can freely discharge to watercourse. - UU have excavated in footpath but encountered high water table. Will need to find alternate access point to survey culvert. UU to dye test piped watercourse to locate outfall. - WBC to undertake investigation into repeated flooding. - LCC to use sond to locate outfall to Wardleys watercourse - LCC have located and cleared outfall from private culverted watercourse. EA to look at additional works to improve flow. - Reopened following flooding 29 Sept. New sub-group of MSfW formed. - Inspection undertaken of local surface water drainage to establish connections and condition. Gullies on Kiln lane and Sherbourne Road cleared. - Private culvert and watercourse to north of Kiln Lane cleared by LCC over Christmas 2020. - Additional survey of highway drainage has noted issues with gullies adjacent The Shovels. LCC to resolve issues 	A

Incident No.	Description	Action	Location	RMA Lead	Other RMAs	A-Z ref	Date Added	Status	RAG
21/01	Pauls Lane, Sandy Lane, Stoney Lane, Market Street	- Surface water flooding during heavy rainfall - gullies surcharging onto highways	Hambleton	LCC	WBC, EA		UPDATED 07/06/2021	- LCC (Highways) to undertake CCTV of private culverted watercourse to determine whether the pipe is blocked / broken. - Survey of highway drainage along Broadpool Lane to Sandy lane has noted issues with several highway gullies. LCC to resolves these issues.	A
21/02	Bull Park Lane / Shard Lane	- Highway flooding on Bull Park Lane	Hambleton	LCC	EA		03/02/2021	- LCC (Highways) to check condition of gully on Bull Park Lane to determine whether the pipe is blocked / broken.	A
21/05	Possible blocked surface water outfall Marsh Lane (Sandy Lane) FY6 9AW	- UU to investigate for blockages and report back to Forum	Hambleton	UU			24/05/2021	- Planned site inspection by UU Wednesday 24/02/2021 - UU have cleaned surface water pipes but report that watercourse requires desilting. EA to look into.	A
21/08	Bluebrook Ave. Foul flooding during heavy rainfall events	- UU to investigate	Hambleton	UU			27/05/2021	- New issue	A
20/11	Flooding of the highway at the junction of St Johns Ave and School Lane	- LCC to investigate for blocked gullies	Pilling	LCC			UPDATED 17/02/2021	- Query - check with LCC whether cleared. No issues in January 2021	A
20/12	Flooding of highway on Smallwood Hey Road	- LCC to investigate for blocked gullies	Pilling	LCC			UPDATED 17/02/21	- Jan 2021 road still flooding along middle length of road. No complaints of residential flooding.	A
20/13	Flooding of highway on Moss House Lane. Concerns that housing development under construction adjacent to highway is exacerbating flooding	- Wyre Council Engineers and Planners to investigate	Pilling	WBC			UPDATED 17/02/21	- Site inspected by WBC Engineers. - WBC Planners have written to Developer to discuss flooding issues. - Developer is proposing changes to surface water drains to divert water away from watercourse Moss Side Lane. Details awaited. - Revised plans from developers approved	A
20/14	Highway drain on Lancaster Road (adjacent Bodkin Hall) blocked	- LCC to investigate for blocked gullies	Pilling	LCC			UPDATED 17/02/21	- Check with LCC (Highways)	A
20/15	Flooding of highway on Carr Lane - Flooding outside Melrose and Ibrox	- LCC to investigate for blocked gullies	Pilling	LCC			UPDATED 17/02/21	- Check with LCC (Highways)	A
20/16	Flooding of highway on Taylors Lane	- LCC to investigate for blocked gullies	Pilling	LCC			UPDATED 17/02/21	- Collapsed sewer near to Mill - not repaired. - Surface water flooding	A
20/10	Flooding to properties on Snowdrop Dell, Hardhorn Road and Linderbreck Lane, Poulton 11 August 2020		Poulton	UU	LCC		UPDATED 18/02/2021	- UU undertaking CCTV survey of public sewers - The CCTV surveys of the public sewers and private drains immediately downstream of the property have been completed and no issue found. The property connects via gravity to the public foul sewer in Linderbreck Drive which in turn flows via gravity to public combined sewer in Hardhorn Road. UU NFA	A

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								- Requested (24.08.2020) LCC check the condition of local highway drain.	
19/07	<p>Sunnyside Terrace has suffered a number of flooding events which have included internal flooding to properties – the most recent event was 22 November 2017.</p> <p>The MSfW Group is looking to undertake initial works to carry out works to Green Lane watercourse to ensure that there is a clear discharge point for excess flood water.</p> <p>LCC have obtained a grant to undertake capital works to reduce the risk of flooding.</p>	<ul style="list-style-type: none"> - LCC to cut back willow tree in Green Lane watercourse to allow free flow in the watercourse. - LCC to undertake desilting works to culvert under Cart Gate. - LCC to undertake desilting works on Green Lane watercourse, including culvert under road. WBC to inform landowners adjacent to watercourse. - LCC to consider other flood mitigation works once the discharge point is cleared. - LCC / EA to inspect full length of Green Lane watercourse to its discharge point to River Wyre. - EA to inspect and clear if necessary river outfall. - Update 21/02/19 - LCC (Highways) 	Preesall	LCC	All		UPDATED 17/05/21	<p>Carried over from MSfW Hot Spots.</p> <ul style="list-style-type: none"> - Desilting of watercourse completed by LCC – approx. 500m cleaned either side of Green Lane. - Walk through of Green Lane East watercourse undertaken (LCC/WBC). - Draft pumping plan written. - LCC to clear/desilt culvert under Cart Gate - practice trial of pumping plan undertaken - LCC to undertake road resurfacing July 2019 including additional gully and to look at road levels to reduce drainage runoff. - LCC works completed - watercourse cleaned out. - Inspection of northern part of Green Lane East watercourse to be inspected to look at clearing by EA. - New sub-group of MSfW formed to look at works on Preesall Hill.- See Sub-Group - Rivers Trust looking to introduce measures to reduce runoff from Preesall Hill towards Sunnyside Terrace. - Changes to profile of Preesall Hill presents problems with the WRT plans to reduce flows - requires meeting with landowners. - LCC to undertake topographical survey of Preesall Hill to allow revised drainage plan to be drawn up by WRT. 	A
19/08	Watercourse to rear of Meadow Ave, Preesall in urgent need of cleaning and reinstatement. Watercourse takes surface water from Pilling Lane and estate around Meadow Ave.		Preesall	WBC	LCC / EA		UPDATED 17/05/21	<p>Ongoing:</p> <ul style="list-style-type: none"> - LLFA (FRM Team) to investigate, potential enforcement action required. - Inspected LCC/WBC – WBC to look at community payback as possible option to clear on a one-off basis. - Still outstanding. Site to be inspected as part of community walkabout on 30 May and action planned. - Community Payback have confirmed that they do not wish to undertake this work. MSfW team to look to resolve. - WBC / LCC to issue letter to residents about need for works. - WBC / LCC to look at potential contributions to undertake works. - Watercourse identified as wholly being Developer responsibility. Developer to clear as part of construction works. - Developer has withdrawn current application, although second developer is showing interest. - Walkthrough arranged with FLAG for 3 June from Meadow Ave to Wheelfoot watercourse 	A

Incident No.	Description	Action	Location	RMA Lead	Other RMAs	A-Z ref	Date Added	Status	RAG
19/09	Pilling Lane, Preesall - Highway floods during heavy rainfall events. Road is only passable with care.		Preesall	WBC	LCC / EA		UPDATED 27/02/20	Carried over from MSfW Hot Spots. Ongoing: <ul style="list-style-type: none"> - LLFA (FRM Team) to investigate, potential enforcement action required - Flooding presumed to be linked to Meadows Ave watercourse and to be considered as the same issue - Still outstanding. Site to be inspected as part of community walkabout on 30 May 2018 and action planned. - LCC to investigate - see 19/08 - LCC confirm that there is no connection from Pilling Lane to Meadow Ave. 	A
19/11	Lancaster Road, Preesall - Flooding of fields and Lancaster Road. Road requires to be closed when flooded. Dykes are not draining, possibility of blockage under highway. Investigate if there is a blockage in the culvert.	<ul style="list-style-type: none"> - Undertake preliminary investigations - Undertake appraisal to identify possible actions 	Preesall	LCC	WBC / EA		UPDATED 27/02/20	Carried over from MSfW Hot Spots. Ongoing <ul style="list-style-type: none"> - LLFA (FRM Team) undertook initial site investigation and met local residents on Tuesday 15 November. - Dyke full and very limited flow. Maintenance cannot be undertaken on network of dykes until obstruction can be found and removed. - FRM have undertaken an investigation in January 2017. Culvert under highway was cleaned out and jetted to remove silt build up. Further works are required as there is a capacity issue and the embankment is slipping into the ditch. - Culvert now cleared. Works required to repair culvert end wall – LCC to undertake these summer 2017. - LCC/WBC have undertaken walk through and identified areas of work required. - LCC to undertake clearance of ordinary watercourses to improve flow to Green Lane East watercourse - works completed. - EA to look at clearing northern part of watercourse. - EA have inspected the watercourse; there is some vegetation in it, but it is flowing freely. 	A
20/05	Carr End Lane, Stalmine. Regular flooding of highway close to Lynwood Drive. Concerns have been raised about the proposed housing development adjacent to the site.	<ul style="list-style-type: none"> - Making Space for Water Group to hold a walkover of Stalmine issues with new FLAG. Date to be organised 	Stalmine	ALL			27/02/2020	<ul style="list-style-type: none"> - MSfW to organise walkover with FLAG 	A
17/16	Embankment issues - Split in the bank of Wyre on south side downstream from Stockenbridge Farm (email 05/04/2017)	<ul style="list-style-type: none"> - Stockenbridge update for June 17 WFF 1) A gateway on the crest has been reinstated with concrete slab to match the embankment crest level. 	St Michaels	EA		M17 & 018	UPDATED 17/05/2021	Ongoing <ul style="list-style-type: none"> - EA - works to start summer 2019 	A

Incident No.	Description	Action	Location	RMA Lead	Other RMAs	A-Z ref	Date Added	Status	RAG
		<ul style="list-style-type: none"> - 09/07/18 Works we had planned to carry out have been carried out. - No funding has allocated for any additional works. <p>2) We've highlighted the concerns highlighted by FLAG to colleagues in Asset Performance to check that they are already aware of this issue. The relevant colleague is currently out of the office so we'll get an update when he returns. We'll also make sure he's aware of the offer for a site meeting if required.</p> <p>3) Additional location of 018 added following meeting on 16/01/18</p> <ul style="list-style-type: none"> - 2/7/18 Works we had planned to carry out have been carried out. No funding has allocated for any additional works. - 05/11/18 - Aiming to carry out our usual embankment maintenance next as published online. Challenges around funding for any 'in-year' repairs until after April 2020 at earliest. If any 'Emergency Works' are identified funding would be made available but would require sign-off from Operations Manager. - 04/02/2019 looking at repairing the slump in the embankment at Stocken bridge Farm in 19/20. EA site visit on 25 Jan 2019 to understand scope of works. Work should commence summer 2019. They will involve removal of tree, reinstatement of crest width and embankment side. - EA to speak with landowner to discuss works in more detail. 						<ul style="list-style-type: none"> - EA confirmed that works are no longer going ahead. EA will look again to see if works can be included in financial year 20/21. - EA have undertaken investigation and confirmed embankment is not moving - works that were planned for 2020/21 have been rescheduled for 2021/22. - Works are programmed for 20/21. Work is part of the civils programme which also includes the works on Rawcliffe Road. - Work has been drawn up and contract issued but will be delivered in 21/22 due to in year budget reductions. - Awaiting update on works programme from EA 	
18/26	Rivermede embankment - ongoing monitoring of the embankment at residential property	<ul style="list-style-type: none"> - Resident to continue to monitor the embankment 	St Michaels			R17	UPDATED 07/06/2021	<p>Ongoing.</p> <ul style="list-style-type: none"> - Knotweed treatment has taken place on the embankment and tree removal work is being scoped. The embankment is judged to be stable and EA are liaising with the landowner. - EA to continue to monitor. - EA are planning minor tree work to lessen flows being directed onto the gabion baskets. - When river is high garden is being flooded by leakage through embankment. What are EA planning to do with gabion baskets? - Programme work for 21/22 to investigate embankment to determine depth and width of gabion baskets and also potential seepage routes. Investigation will inform potential construction work. 	A

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								<ul style="list-style-type: none"> - Erosion is worsening / baskets are falling apart – Can EA confirm that investigation has been completed – what were findings? - Investigations funded for this year- to determine depth and width of gabion baskets and also potential seepage routes. Investigation will inform potential construction work. 	
18/41	Low spots - photos 6-8	<ul style="list-style-type: none"> - 09/07/18 - Not in the bid for next year's repair but will considered for future capital scheme - 05/11/18 - Needs to link to UMW Project PB to update 	St Michaels	EA		V17	UPDATED 07/06/2021	<ul style="list-style-type: none"> - Maintenance planned for 20/21 to fill in low spots and vermin holes on Old House Embankment. See 18/32 - Update required from EA as to when works planned for. - EA to advise if completed - Work to low spots completed 	A
18/42	Poaching - photos 12-13	<ul style="list-style-type: none"> - 12/7/18 EA aware and will carry out appropriate landowner engagement - 05/11/18 - EA had recent publicity campaign with NFU / Local Media etc. to landowners. Monitoring over coming months to ensure compliance of landowners - Update 28/02/19 - EA are aware of this. Landowners / tenants need to take appropriate measures to fence off cattle /livestock from embankments. 	St Michaels	EA		V17, T17, Z11, AC18, AD20	UPDATED 17/05/2021	<ul style="list-style-type: none"> - WRT may be able to help with fencing works. - We are gathering information on all areas that require fencing and the Environmental Management team is contacting landowners. - Update required from EA as to when works planned for. - EA to advise if completed. 	A
18/43	Coir roll - no vegetation photo 18	<ul style="list-style-type: none"> - Revetment not vegetated. On 15/5/18 and it was agreed that this would be monitored this year to ensure it takes - 05/11/18 - Update required from project manager 	St Michaels	EA		EA repair sites - T17, V17, X17	UPDATED 17/05/2021	<ul style="list-style-type: none"> - Please can FLAG re confirm location. - Update from EA required - EA will look to re seed when returning to seed recent embankment work at Old House. - EA to advise if completed 	A
18/57	Consult FLAG re Upper Mid Wyre Project.	<ul style="list-style-type: none"> - 05/11/18 EA to provide details of how this can be actioned. - 08/11/18 - Extract from email sent from EA to FLAG 08/11/18, "EA will seek to invite comments from the relevant communities/flood action groups. This will be carried out once an initial assessment has been made and report is still in draft. Please note that we are expecting to be able to consult the Flood Action Groups either at the end of 2018 or start of 2019 and due to contractual obligations will only be able to have a consultation period of up to 10 working days. - 06/02/19 - EA to meet St Michaels FLAG to discuss further on the 15 Feb 2019 	St Michaels				UPDATED 08/06/2021	Project Ongoing. <ul style="list-style-type: none"> - EA to provide update in Pre Flood Forum report. - next update March 2020 - EA to provide update on Project and copy of report - EA to provide an update - In January 2020 EA announced that the project was unlikely to commence to the next appraisal stage (Outline Business Case) due to constraints in available capital funding, as a result of the project's low Partnership Funding score. We are continuing to investigate the funding opportunities available to progress this project. However, progression of the project continues to be dependent on the project's Partnership Funding score improving. EA to continue to provide updates in Pre Flood Forum report. 	A
19/20	Rawcliffe Road, St.Michaels - sewer pipe opposite Catterall Farm is surcharging and	<ul style="list-style-type: none"> - UU to investigate and report back to Forum 	St Michaels	UU	EA		UPDATED 17/05/2021	<ul style="list-style-type: none"> - UU are actively investigating. 	A

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	discharge into watercourse							<ul style="list-style-type: none"> - Agreed that this is not an issue for MSfW but is for UU to resolve. - FLAG asked that this item remain on list as it leads to flooding of highway. - A full survey of the rising main has been completed and the preliminary findings appear to show the rising main to be in good condition. The possibility of taking another sample of the rising main at a location closer to the station is being considered. However, UU are still waiting for the full report before any decision can be made with regard to increasing the pass forward flow (PFF). In the meantime the existing pumps and air valves will be refurbished/serviced to ensure they are ready and capable of delivering the increase in the PFF, should the rising main be structurally sound enough to take the increase in pressure. The ongoing issues at Rawcliffe Road will form part in the solution development, but implementing the solution will stand alone and require additional investment and approvals. Please see 19/21 - UU to provide update. EA to confirm details of licence / warnings and enforcement. 	
20/03	White's Bridge on A586 - bridge structure leaking and water flowing onto highway, causing flooding	- LCC to investigate	St Michaels	LCC	EA	I22	UPDATED 17/05/2021	<ul style="list-style-type: none"> - LCC Highway bridge inspector due to inspect. As part of the inspection they will identify any joints on the bridge structure which are allowing ingress. - EA/LCC undertaking surveys re access to properties on Moss Side Lane and flooding of A586 	A
20/19	Road Flooding opposite the junction of Rawcliffe Road on the A586 - Mark O'Donnell mentioned that he had a project for this at the March 2019 Flood Forum but not further information has been received following FLAG request		St Michaels	EA / UU		S16	UPDATED 17/05/2021	- Completed? Check with LCC (Highways)	A
20/20	Non-functioning flaps/cloughs 1. north bank of Wyre upstream of bridge 2. south bank of Wyre downstream of bridge		St Michaels	EA and UU		1.T17 2.S18	UPDATED 17/05/2021	<ul style="list-style-type: none"> - Flap Valve No.2 south bank of Wyre and downstream of the bridge is the only ancillary that appears to relate to a UU asset. - Initial inspection required as previous visits have not be able to locate the flap valve due to water levels and vegetation. - EA to arrange site visit with residents to discuss clearing of watercourse by valve 1. - UU to confirm location of valve 2 – check it is working OK 	A

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20/21	North bank of River Wyre just west of bridge - erosion/slump of lower river bank		St Michaels	EA		S18	UPDATED 07/06/2021	<ul style="list-style-type: none"> - This seems to have been caused by cattle poaching. - EA will work with landowner to reinstate fence. - EA will monitor the erosion and bid for fund to repair if it continues to worsen. - Erosion worsening. Livestock getting to river. EA to reinspect. - Erosion still limited to berm rather than embankment. EA contacting landowner. 	A
20/22	Leaking and overtopping of Wyre bank between Turnover Hall and Ratten Row - completely flooding and blocking Rawcliffe Road for several days in early Nov 2020 (has occurred before on a number of occasions		St Michaels	EA and LCC		M17 to A16	UPDATED 07/06/2021	<ul style="list-style-type: none"> - EA - The embankment is piled in this location. Damage was caused during Storm Ciara which we have carried out a temporary repair on. Further work is programmed to be completed by March 2021 to repair and reinforce the crest. As part of the same work we are also reconnecting a field drain that runs under the embankment. - LCC/EA working on – further update required. - Overtopping point and damaged wall section have both been repaired. 	A
20/24	Frequent highway flooding of A586 between St Michaels Garage and Compton House		St Michaels	UU		Q16	UPDATED 17/05/2021	<ul style="list-style-type: none"> - LCC to confirm whether works completed. 	A
20/25	Bank slump/erosion confluence of New Draught and Old Draught or New Draught and Brock (not sure reported by a bank maintenance person when mowing in late Sept 2010 - not viewed by FLAG		St Michaels	EA		AC22 or Z/AA 18	UPDATED 07/06/2021	<ul style="list-style-type: none"> - EA will continue to monitor and bid for funds to repair. Current erosion not yet affecting the raised embankment. - Confirm that it is being monitored. - Being monitored through maintenance programme and asset inspections 	A
21/09	Flooding to Allotment Lane	<ul style="list-style-type: none"> - Flooding of highway, and sewage flooding to gardens. 	St Michaels	LCC	UU		NEW 17/05/2021		A
21/10	Lower Wild Boar, Rawcliffe Road	<ul style="list-style-type: none"> - River bank is leaking – trees growing in embankment 	St Michaels	EA		J18	NEW 17/05/2021		A
21/11	Humblescough Brook watercourse	<ul style="list-style-type: none"> - Someone has put in a clough under bridge on road leading to quarry. 	St Michaels	EA			NEW 17/05/2021	<ul style="list-style-type: none"> - Can EA investigate? 	A
18/04	What is the current status of the report into the study on Royles Brook / Hillylaid Pool and when will we receive this information? Has the Hillylaid Pool been desilted? Are there any issues which have been flagged up in the report to date?	<ul style="list-style-type: none"> - Royles Brook Geological Improvements report available for circulation as provided by Jonathan Croft on 18 Jan 2018. Stored in Thornton folder on Preston Drive - Update 21/02/19 - Awaiting response to report from EA. 	Thornton	EA			UPDATED 27/02/20	Ongoing. <ul style="list-style-type: none"> - Silt survey to be undertaken on Hillylaid Pool 2020/21 - results to be shared with FLAG. - EA to provide copy of the Modelling Report to the FLAG 	A
18/13	What is the current situation regarding the inspection and maintenance of the culverts	<ul style="list-style-type: none"> - EA to provide written response for May 2018 WFF - Long section to be produced 	Thornton	WBC	EA		UPDATED 27/02/20	Ongoing <ul style="list-style-type: none"> - Maintenance works ongoing. List yet to be updated and made available to Forum. 	A

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	/ pinch points, a list of which was supplied to the Forum, by Thornton Flag?	- WBC producing culvert list to include maintenance schedules						- Awaiting details on HE culvert under A585 at White Carr Lane, and Red Marsh Industrial Estate.	
18/15	The Thornton FLAG has asked the EA if they can de- silt sections of the Hillylaid Pool system (assets 347659 and 375191). We had a reply from Paul Bond stating that they hoped to survey the area this summer. Does this mean that they agree with us that the weed cutting isn't sufficient so this will not now be done? Is the survey work to enable them to get the information they require so that they can decide what equipment and manpower will be required to do the de-silting?	- Nothing planned in this year's programme. Community Group can go ahead if they start from upstream end and need to apply for Permit. - Response provided ahead of May 18 WFF	Thornton	EA			UPDATED 08/12/20	Ongoing See 18/04 - Silt survey to be undertaken on Hillylaid Pool 2020/21 - results to be shared with FLAG. - Routine maintenance will continue as normal. - Survey has been completed and although silt accumulations are present, variations in the hard bed mean that desilting is unlikely to increase flows.	A
19/14	School Road, Thornton -Several properties on School Road flooded Nov 2017. Source of flooding appears to be surface water from local surface water drains, suspected blocked highway gullies and poor maintenance of watercourse behind properties	- LCC to carry out cleaning of local highway gullies WBC to contact Network Rail re maintenance of watercourse - Inspection of local drainage network to be undertaken to identify issues - WBC to draft flooding report from Nov 2017 to identify issues and propose resolution.	Thornton	WBC	UU		UPDATED 18/02/21	Carried over from MSfW Hot Spots Ongoing - Gullies cleaned 29 May - NR have responded that they are not responsible for the watercourse – WBC to pursue this further - Inspection of watercourse and local drainage carried out by WBC/ Thornton FLAG 22 May - Flooding report in progress – to be presented to FLAG June 2018 - LCC to serve formal notice on Network Rail to undertake maintenance works - UU to look at blocking off outlet in main sewer to prevent flooding on watercourse - NR to clear watercourse - date to be agreed - UU/EA/WBC to inspect outfall to Hillylaid Pool to ensure free discharge/ - NR have completed watercourse works - Known flooding location which is predicted by the model to flood during storm events of less than 1 in 10 years. Consequently major capital investment is required in this part of the catchment to reduce the risk of flooding which is currently being investigated. The public sewers serving School Road are on the planned cleaning schedule to ensure the system operates at its maximum capacity at all times. A number of the properties on School Road have already been fitted with mitigation and UU are looking at the possibility of protecting others.	A
19/15	New Lane, Thornton Several properties on New Lane flooded Nov 2017. Source of flooding appears to be surface water from runoff from local fields,	- WBC to contact Highways England re maintenance of culverts under A585 Amounderness Way - WBC to draft flooding report from Nov 2017 to identify issues and propose resolution.	Thornton	WBC	All		UPDATED 15/02/21	Carried over from MSfW Hot Spots Ongoing: - Culvert under A585 now cleared. - Inspection of watercourse and local drainage carried out by WBC/ Thornton FLAG 1 Feb 2018 –	A

Incident No.	Description	Action	Location	RMA Lead	Other RMAs	A-Z ref	Date Added	Status	RAG
	surcharged sewers and surface water drains.							WBC to identify responsibility for all culverts on Royles Brook and Hillylaid Pool <ul style="list-style-type: none"> - Flooding report in progress – to be presented to FLAG June 2018 - WBC investigation ongoing. - EA to investigate additional dredging works on Hillylaid Pool south of New Lane. - Wyre Council have updated automatic level sensors in pumping stations and replaced sensor batteries. - Sensors adjusted so that pump switches on earlier. 	
19/27	Can we have a progress report regarding the inspection and condition of the Thornton culverts? See 18/13	- WBC to provide update at March 19 WFF	Thornton	WBC	EA		UPDATED 27/02/20	<ul style="list-style-type: none"> - Inspection / cleaning works in progress. FLAG have been invited to see works. - Report to be updated and passed to FLA\g. - Most inspected and found to be OK - A585, Marsh Mill and Stanah Gardens yet to be checked 	A
19/29	Springfield Drive, Thornton - are there any updates re the surface water flooding to Springfield Drive from the Poolfoot Sports facility?	- WBC to update FLAG	Thornton	WBC	UU		UPDATED 27/02/20	Ongoing. <ul style="list-style-type: none"> - No updates to report at this time. - Location to be included in Wyre investigations. 	A
19/30	Fleetwood Road North - are there any updates on investigative work regarding the section of Fleetwood Road North between West Drive and Bourne Way	- UU to update FLAG	Thornton	UU	EA / WBC		UPDATED 18/02/21	<ul style="list-style-type: none"> - Drainage to be inspected, including discharge to watercourse on Bourne Road. - LCC have cleared highway drains. NPL have agreed to clear drains on Bourne Way and clear watercourse from Fleetwood Road. - NPL still to complete clearing of watercourse on Bourne Road. - UU will look at undertaking the cleaning of the public surface water sewers on the section of Fleetwood Road North between West Drive and Bourne Way as part of the planned de-silting schedule. Dates to be confirmed 	A
20/06	Norcross Lane / White Carr Lane - concerns that highway culverts under Norcross Lane and White Carr Lane (at junction with Bescott Way) are silted up	- LCC to inspect and clear as necessary	Thornton	LCC			UPDATED 28/05/20	New from resident. <ul style="list-style-type: none"> - LCC works planned for April 2020 - Works delayed; site visit to be arranged - Works planned for week commencing 22 June 	A
20/07	Flooding to Stanah Road at junction with Cathrow Road	- Suspected blockage in culverted watercourse	Thornton	LCC	UU		UPDATED 28/05/20	New From FLAG / Resident <ul style="list-style-type: none"> - LCC / UU to inspect to determine what works required. Suspected riparian owner responsibility. - Works delayed; site visit to be arranged. - Site visit with FLAG planned for end of June. 	A
20/08	Royles Brook School, Thornton	- Suspected blockage in culverted watercourse	Thornton	LCC	UU		UPDATED 18/02/21	<ul style="list-style-type: none"> - LCC / UU to inspect to determine what works required. Suspected riparian owner responsibility. 	A

Incident No.	Description	Action	Location	RMA Lead	Other RMAs	A-Z ref	Date Added	Status	RAG
								<ul style="list-style-type: none"> - Works delayed; site visit to be arranged - Site visit with FLAG planned for end of June. - UU have inspected drainage in the area. Inspection shows surface water drains have been sealed off. No clear indication as to how local surface water drain discharges. Further investigation to be undertaken on 9 Sept. - UU investigation has found that the section of surface water sewer serving Marsh Road was found to go to ground rather than connecting to the SW sewer coming from Linden Avenue. Due to the invert levels it is not be possible to connect this section up as the sewer from Linden Avenue is higher. Consequently the preliminary investigation appears to show only 2 possible solutions. The first would involve connecting the SW sewer from Marsh Road to the pond located in the school grounds (levels permitting). The other would involve taking the sewer down Wordsworth Avenue until a suitable level could be found to enable it to be connected back into the existing SW sewer. Further work is required to progress a solution and obtain funding. In the meantime UU will look at what can be done to reduce the risk of flooding to the properties. 	
20/09	Flooding to property on Aintree Road, Thornton	- Flooding to property - UU to check whether any blockage in surface water drain on Fleetwood Road South	Thornton	UU	LCC		UPDATED 18/02/21	<ul style="list-style-type: none"> - UU undertaking CCTV survey of public surface water drain. - LCC to check highway drains on Aintree Road and Fleetwood Road South - UU have checked the public surface water sewer from Aintree Road to Fleetwood Road South to 80m but no visual as camera underwater. Require LCC/WBC to check for any possible issues with highway drain/outfall. 	A
20/17	Flooding of highway to Lawsons Road on 11 August 2020	- LCC to investigate for blocked gullies	Thornton	LCC			UPDATED 15/02/21	<ul style="list-style-type: none"> - LCC cleaned highway gullies on Lawsons Road and Briar Road. - WBC inspected culverted watercourse and installed tidal flap at discharge point to Hillylaid Pool watercourse - UU have undertaken cleaning of sewers on Lawson Road – blocked with fat from commercial properties. 	A
20/18	Flooding of highway and residential gardens from foul drainage system - Calder Ave	- UU to investigate and report back to Forum	Thornton	UU			UPDATED 18/02/21	<ul style="list-style-type: none"> - UU attended site 14.08.2020 on carried a number of external clean ups and carried out an initial investigation into the cause of the flooding. - An additional CCTV survey was completed on the 24.08.2020 and found no operational issues. 	A

Incident No.	Description	Action	Location	RMA Lead	Other RMAs	A-Z ref	Date Added	Status	RAG
								- Consequently it would appear that the public sewer network was inundated with surface water as a result of a 1 in 687 storm. NFA	
21/06	External surface water flooding to the property Holmefield Close	- UU investigation into status of surface as it appears to be a piped watercourse not a public sewer.	Thornton	UU			UPDATED 18/02/21	<ul style="list-style-type: none"> - It is UU intention to investigate the status of the pipe and have it reclassified as a watercourse. However, due to the current review into the procedure to change the status of a public sewer and the number of possible landowners it has been put on hold. - On hold as the process for having the status of a public sewer changed is currently being reviewed - NFA 	R
19/36	Church Lane, Winmarleigh at junction of Old Hall Farm Drive flooded 07/03/19 . Suspected inadequate drainage capacity		Winmarleigh	LCC			UPDATED 27/02/20	- LCC to investigate. No action to date.	A