

Wyre Making Space for Water Meeting

Minutes of meeting held Thursday 24 February 2022
at Wyre Civic Centre and via Microsoft Teams.

Present

Paul Long (PL)	Wyre Council (WC)
Tom Myerscough (TM)	Wyre Rivers Trust (WRT)

Via Microsoft Teams

Carl Green (CG)	Wyre Council
Graeme Kelly (GK)	Environment Agency (EA)
Mark O'Donnell (MO)	Lancashire County Council (Highways)
Phil Wylie (PW)	United Utilities (UU)
Louise Ashworth (LA)	United Utilities
Dawn Bromley (DB)	United Utilities
Sarah Murray (SM)	United Utilities

Apologies

Rachel Crompton	Lancashire County Council (Flood Risk Management)
Brian Birkett	Lancashire County Council (Flood Risk Management)
Chun Teh	United Utilities
Christine Hamilton	Environment Agency
Mia Mullender	Environment Agency
Kevin Kellett	Lancashire County Council (Flood Risk Management)
Nigel Morris	Lancashire County Council (Flood Risk Management)
Elizabeth Lowe	Environment Agency
Lorah Cheyne	Lancashire County Council (Flood Risk Management)
Benjamin Rogers	Lancashire County Council (Flood Risk Management)

1. Introductions

PL welcomed everyone to the meeting.

2. Apologies

Apologies were noted as above.

3. Sunnyside Terrace, Preesall

TM presented his proposals for constructing a wetland area in the field adjacent to Sunnyside Terrace to the Group. The purpose of the development is to hold back water in the field, slow down the rate at which water discharges to the watercourse network and reduce the risk of flooding to properties on and around Sunnyside Terrace.

The work is subject to approval by the Flood Risk Management Agencies and local landowners.

TM confirmed that the raised areas could be constructed from the arisings from digging the attenuation ponds and no material would need to be imported to the site.

The cost of the works is estimated to be in the region of £35-£40k.

GK noted that the draft plan did not include use of the 6" pipe under Sandy Lane to further reduce water volumes entering the system on Sunnyside Terrace. TM noted this and agreed to meet with MO to include this in the design.

Action – TM / MO

The proposal was widely welcomed by the Group and it was agreed that the plan be presented to residents at the earliest opportunity for their view, preferably before the Flood Forum meeting on 17 March. It would also need to be agreed with local landowners to ensure that they are happy with the proposals.

4. **Minutes of Previous Meeting**

The minutes of the meeting of 25 November 2021 were agreed.

Matters arising

PL confirmed that he and MO had met with a representative from Wainhomes to look at the reported flooding issue on Sefton Ave., Poulton. It was evident that recent landscaping works had been undertaken which may have increased surface water run-off from the land towards the properties on Sefton Ave. Wainhomes to discuss with their contractor and come back with proposals to reduce the run-off from the field.

PL reported that, as requested, he had sent a plan to Stalmine FLAG detailing the results of pipe inspections in Stalmine which contradict the UU drainage plans for this area.

5. **Issues from Flood Forum and FLAGS (See Appendix A)**

PL reported that he had recently held Teams meetings with the FLAGS from Preesall, Thornton, Hambleton & Stalmine and Churchtown.

Issues raised are detailed below and have been added to the Issues and Action log where necessary.

Preesall FLAG

Matters arising from last meeting

- PL confirmed that he had yet to contact the owner of Willow Grove caravan park, Preesall re cleaning of the ordinary watercourse behind Roslyn Crescent. He noted that the Council has also received a complaint from a resident on Roslyn Ave about flooding to the front garden, allegedly from the new residential development. This complaint was investigated several months ago and no issues found, but has resurfaced recently. PL to investigate.

Action – PL

- GK reported that he had checked the land at the confluence of Green Lane and Grange Pool watercourses (as requested by MO). He noted that Green Lane watercourse has preferential flow over Grange Pool, so changing the line of Green Lane watercourse is unlikely to have any beneficial outcome. No further works are planned for this site.
- GK reported that he had inspected the watercourse to the west of Park Lane and noted no issues. PL noted that the concern was whether the ponds on the east side of the road discharged to the west or ran towards Sunnyside Terrace. GK noted that access to the east side was poor and he was not able to confirm any link. PL and GK to arrange joint inspection to confirm direction of flow from the lakes.

Action – PL / GK

- MO confirmed that LCC would be undertaking road resurfacing works on Lancaster Road over the Easter holidays. He added that both he and Cllr Salter had visited the site and spoken with residents on this matter. Prior to commencement of works, additional drainage will be installed to take surface water. MO also confirmed that LCC will check for any other highways drainage in the area, possibly buried, at the same time.

Hambleton & Stalmine FLAG

Matters arising from last meeting

- PL passed on a request to UU from Hambleton Flag whether there was any update on the installation of the flow meters Over Wyre. PW confirmed that the works were progressing as planned and would be installed later in the year. PL also relayed thanks from the FLAG to UU for the recent site visit to Kiln Lane sewerage pumping station – this had been very informative.
- PL reported that the highway at the junction of Highgate Lane and Staynall Lane recently flooded again. MO noted that LCC had recently replaced a broken culvert in the area, which has significantly improved the flooding situation, but he would look into this issue again to see if any further works are necessary.

Action – MO

Churchtown FLAG

Matters arising from last meeting

- PL reported Churchtown FLAG have passed on their thanks to the inspection works carried out by LCC and WBC on 8 December 2021 to identify and clean drainage at The Avenue and in Green Wood. Additional works have been identified and it was agreed that these would be undertaken later in the year when the system was not full. MO confirmed that he had bid for additional money to undertake further works in 2022/3 in Churchtown.
- PL noted that the FLAG are still reporting two trees floating in the River Wyre, approximately 300m downstream of Kirkland Bridge – GK and TM confirmed that they had both checked the river in this area and not see any trees; they asked that a further location be provided so that they can be located.
- PL reported that the FLAG were asking for details of the bladder valves fitted to the surface water pipe from the A6 and whether this was likely to cause any siltation problems upstream of the valve. MO replied that he was not aware of any specific reason that the pipes would silt at a greater rate than any other pipe; he added that LCC would look to undertake regular inspection and maintenance to ensure that their assets were operating as designed – this included all areas, not just Churchtown.
- Churchtown FLAG have reported a large number of blocked gullies in the village; MO agreed to undertake gully clearance at the earliest opportunity. He added that blocked gullies should be reported to LCC on their website [Report flooding and drainage - Lancashire County Council](#)
- The FLAG have reported a leak in the Ainspool embankment on the left hand bank, approx. 140m downstream of Ainspool Bridge and has asked that the EA look into this. GK noted that this approximately where the sand lenses are located.

- The large flap valve 10m downstream of Ainspool Bridge has come loose – the FLAG have replaced it, but asked if the EA would check it and ensure that it is secure.

Action – EA

- Churchtown FLAG reported that they had noted twin peaks in the river telemetry from Six Arches caravan site to St. Michaels – they have asked whether there is now a new river flow control upstream of the caravan site. GK and TM confirmed that no new controls have been installed. TM did note that the actual river levels at St Michaels Bridge were significantly higher than recorded on the telemetry – EA to check the calibration of the gauges.

Action – EA

Thornton FLAG

Matters arising from last meeting

- MO confirmed that works to replace the gulley at the junction of Bourne Road and Fleetwood Road North have been undertaken. He confirmed that the drainage pipe had been damaged by works on the electric cabling. PL passed on the thanks of Thornton FLAG but noted that the area had recently flooded again. MO said that he was disappointed that the area had flooded again despite the best efforts of LCC and said that he would continue to look to ways to resolve the flooding.
- MO reported that all the gullies around Springfield Drive, Thornton were cleared at the same time as the Bourne Road works.
- PL confirmed that the contractor for Hawley Gardens site has been cleared and is now free running. It was noted that the contractor had left the site in a poor condition and PL noted that several negative comments had been posted on the Thornton FLAG site. TM asked if it was known whether the contractor had undertaken an environmental risk assessment; this was unknown but considered unlikely.
- PL reported that he had again contacted National Grid for an update on the condition of the culvert under their concrete apron in the electrical sub-station on River Road, Stanah. While an initial inspection has been undertaken, major works are still awaited. *(Update: NG have confirmed that works should be completed by 31 March 2022)*
- MO reported that he had instructed his team to look at raising the footpath in front of the two properties on Fleetwood Road North, north of Springfield Drive, Thornton were scheduled for the next two weeks. He confirmed that he had met with the resident and she seemed happy with the proposal.

Action – MO

- PL noted that the developer constructing the new Thornton FC had asked that the culverted watercourse on Wembley Road be checked and cleared as necessary. MO agreed that his team would look at this.

Action – LCC

- GK said that the installation of the camera on the Sandyforth Arms was still outstanding but would be undertaken soon. He added that the solar panel on the screen at Bay Horse has been repaired but the battery was flat and would take a few days to charge and start working.

- PL said that the FLAG had asked if a gauge board could be installed on Brookfield Road screen and on the bridge at Bay Horse to record watercourse levels. TM and GK replied that this could be done and they would look into it.

Action – GK / TM

- TM confirmed that the leaky dam on Hillylaid Pool has now been removed. Water levels dropped approximately 150 - 180mm by Hillylaid Road. Removing the dam had no effect on the water levels on New Lane.
- PL noted that the water levels at New Lane continued to remain high down to Belverdere Road. He reiterated the FLAG's call to undertake dredging works downstream of the A585 bridge at New Lane, especially in the proximity of the UU pipe from School Road. GK replied that the EA does undertake dredging works but noted that access for machines is difficult. PL noted that during a walkthrough in December the silt levels were noted as being over two feet deep. GK noted that the invert of the culvert on Belverdere Road was at a higher level (2.75m AOD) to the outfall from School Road (2.61m AOD) and that undertaking dredging works at this point would have no impact of water levels. TM noted that most of the silt was likely to be coming from Breedy Butts Farm and that it would make better sense to undertake works to prevent further silt entering the watercourse.
- TM asked if there had been any movement with National Highways undertaking clearance of the culverts under the A585, at New Lane and White Carr Lane – PL reported back that he had again contacted them but no works had been undertaken.
- PL asked that UU look at the surface water drain adjacent to 104a School Road to see if the hole in the pipe is still required and whether it would be possible to block this off. PW said that he was not aware as to why this hole was there but would be willing to block it off as a trial. He said that he would be happy to meet with residents and the FLAG to look at this option, as well as the system adjacent 86a

Action – PW / Thornton FLAG / PL

- PL noted that works on Horsebridge Dyke by Kier was having any impact on levels in New Lane. TM reported that the water level in Horsebridge Dyke was at the lowest level that he had seen for some time and noted that more water than normal could be discharging to New Lane. GK noted that the Kier works were expected to continue until the end of February so it would be useful to see if water levels dropped after pumping operations stopped.
- PL reported that UU had requested that LCC clear roots from a surface water drain on Lawsons Road as it entered into Torrentum Court. He reported that LCC had completed the works on Friday 18 February.
- PL informed GK that the intersection where the tributary on Anchorsholme Road East meets with Royles Brook remained blocked with debris and that EA had promised to clear this. GK replied that he had passed this to the EA's contractor and should have been completed. He agreed to inspect this and make sure that the works were undertaken.
- PL noted that UU have reported that the surface water on Fleetwood Road South is being restricted from discharging into the watercourse behind New Lane by a blockage in the watercourse belonging to the local landowners. They have asked that this be reported to the landowner so that it can be unblocked. PL to contact landowners.

Action – PL

St Michaels FLAG

No-one was available to meet ahead of the MSfW meeting.

After the meeting the FLAG issued a report for the Flood Forum, this is attached in Appendix A.

Great Ecclestone FLAG

No-one was available to meet ahead of the MSfW meeting.

Pilling FLAG

No-one was available to meet ahead of the MSfW meeting

Out Rawcliffe FLAG

No-one was available to meet ahead of the MSfW meeting

FLAG reported “no new issues”.

6. Updates from Members

i) Wyre Council

PL updated the Group on works being undertaken by Wyre Council. He confirmed that he had met with several of the FLAGS to discuss flooding issues. He reported that, in general, the FLAGS were appreciative of the works being undertaken, particularly by MO and TM, and that they continued to work in cooperation with the flood risk authorities.

He noted that the previous week had seen Storms Dudley, Eunice and Franklin but that, on the whole, the Borough had escaped major flooding events. While it was noted that the worst of the bad weather had avoided the borough, the Council had been ready to deal with any issues; storm boards had been closed along the coast, officers were in place at key locations to deal with tidal flooding issues, and warnings had been issued to residents. In the event, while conditions were bad, the new sea defences and the works undertaken on the surface water drainage network meant that only very minor highway flooding was experienced.

CH noted that the lengthy warnings from the Met Office were critical in allowing the authorities time to put in place actions to reduce flood risk.

ii) Environment Agency

GK reported that the embankment repairs at Wild Boar, St Michaels were now complete. Works to Whites Brook and Stockenbridge embankments are due to start soon and be completed by the end of March. PL asked if this would make an impact on flooding on Moss Side Lane – GK said that levels would be restored to as it should be but were unlikely to have a significant impact on flooding here; he added that the only option left is to look at options to hold water upstream. TM noted that he and GK have discussed inspecting the upstream options and would arrange a further meeting to look into this.

Action – WRT / EA

PL noted that Cllr Orme had asked what was the likelihood of works to upgrade the pumping station on Pilling Lane, Preesall, and the possibility of reinstating the watercourse outfalls to the sea. GK replied that the outfalls were all under current silt levels and there are no plans to reinstate them. He added that the EA had works planned for this summer to desilt Middle and Wheelfoot watercourses to improve flows to the pumping station.

iii) LCC Highway Authority

MO reported that significant drainage works had been undertaken in Hambleton to reduce flooding on Kiln Lane, Carr Lane and on Pauls Lane. He noted that works were largely completed, with just one small fault on Carr Lane still to be resolved. PL asked if LCC would inspect the private culvert between Arthurs Lane and Sandy Lane, as it was assumed that this had not been done for many years. MO agreed to take a look when next back in the village.

Action – LCC

He confirmed the works on and around Bourne Road, Fleetwood – see Thornton FLAG notes, above.

He noted that LCC currently have a pump on permanent deployment at St Michaels to reduce the risk of flooding on the A856, north of the bridge; he added that a working group is needed to look at this area and determine a permanent solution.

PL noted that the activities of the FLAG had been significantly reduced as the two main members had left the village; he suggested that the FLAG look to operate their own pump to protect properties rather than rely on LCC. GK noted that there are other community operated pumps and this would be an option. PL agreed to set up a working group to look at this issue and work with the FLAG at options to make a bid for providing a community pump. PW agreed to investigate whether the existing surface water pump has any capacity to assist. DB said that she would look to see if finance could be made available from the Green Recovery Scheme, although she noted that this scheme does not fund pumped solutions. GK noted that there is finance available through the Quick Wins scheme and there may be some funding available. PL to set up a working group for this scheme.

Action – PL

iv) LCC (Lead Local Flood Authority)

No-one present from LLFA.

MO noted that LLFA were planning to produce a Section 19 report for flooding in St Michaels.

v) United Utilities

PW noted that works are continuing on the installation of flowmeters in the foul network to determine where the main issues are; the supply / demand investigation for Great Eccleston and St Michaels is still in progress and he hoped to have something to report back at the next meeting - otherwise UU are undertaking “business as usual” and no major schemes are in place.

PL said that Thornton FLAG had asked if there was any update on the drainage on Church Road, Thornton – PW confirmed that there was no update on this and any works were not likely to be undertaken any time soon.

PW noted the surface water drainage scheme in Stalmine (by the reading rooms) is to be passed back to riparian owners – he added that letters would be sent out soon to landowners to notify them of this.

PL asked if there was any further update on works to Coniston Ave, Knott End – PW said that he would be visiting the site soon to further investigate it. MO noted that he had received a number of complaints of the road sinking and was concerned that this was caused by a collapse of the sewer. LA replied that the road has sunk due to poor ground conditions but the sewer remains intact – she noted that there is no longer a free outfall from the sewer due to high levels on the foreshore. MO to look to undertake road maintenance works.

GK asked whether there was an update on the blocked/collapsed culvert downstream of the bridge at St Michaels. PW confirmed that this is a collapse – UU are looking to make this safe for now. The damage is reported to extend upstream and needs major repair. He added that the pipe is to be reclassified as highway drainage and is likely to be passed over to LCC.

vi) Wyre Rivers Trust

TM informed the group of the work proposed to install a wetland area at King Georges playing fields in Thornton (see Appendix B) – a meeting was held with the sports clubs on 23 February and a public presentation is planned at Thornton YMCA for 25 February.

TM said that the Wyre NFM Green Investment Scheme [Wyre NFM Investment Readiness Project | The Rivers Trust](#) is close to completion – investors are on board – this will provide 70Ha of NFM in the upper river catchment and 40Ha of tree planting over the next three years. Works are planned to commence very soon.

TM reported that the leaky dam on Hillylaid Pool has been temporarily removed following a number of objections from local residents who were concerned that this was leading to increased flood risk. It is proposed to reinstate the dam later in the year, but to have better liaison with residents and to inform them of its benefits. CG asked whether data loggers were in place to record watercourse levels as this might alleviate some of the concerns of residents.

TM confirmed that the design for Sunnyside Terrace has now been produced and is planned to be shown to residents for their input.

CG informed the group of the ECO- CoBS (Environmental Community Owned Coastal Buffer Strips) Scheme which includes removing scrub from the foreshore around Arm Hill, Preesall, building up the saltmarsh and providing an environment for the return of a Little Tern colony. The works should also have a beneficial effect on Hackensall watercourse.

7. New issues

PL noted the flooding of the highway at High Street, Garstang. MO considered that the pipe discharges close to the bridge adjacent to the EA barrage and not, as first thought, to the river at the car park on High Street. He added that further investigation of the drainage in this area is required.

CG asked whether levels had been taken, as it appeared that the road level was lower than the outfall level to the river.

Action - LCC

CG noted that Garstang councillors had raised the issue of the show ground off the A6, Garstang. PL confirmed that he had inspected the watercourse downstream of the site and found no issues; he considered that this was a private issue and should be resolved by the landowner.

8. Issues and actions update

The updated Issues & Actions list is attached at Appendix C.

PL asked that members check the list and update as much as possible as many of the issues were long-standing.

Action – All

9. Any other business

CG asked GK whether there was any updates on the EA taking on running of Stanah and Springfield pumping stations; GK replied that the EA would be looking to take Stanah PS soon and the EA Estates Team would be in contact soon with details. With regard to Springfield PS, the EA would be unlikely to pay to upgrade the station and discussions with Haven on taking over responsibility for the station need to go ahead. PL to arrange meeting with Haven.

Action – PL

CG reported the flooding of a number of highways in Pilling, as reported by Pilling Council; this is thought to be as a consequence of drainage outfalls being unable to discharge properly. CG noted that an ECO-CoBS scheme is planned for the area and it was hoped that this could alleviate flooding in the area. He asked that members of the Group let him know of any blocked outfalls in the area.

Action - ALL

10. Next meeting

26 May 2022, 10am start – The meeting to be in person. Details to follow.

APPENDIX A

Issues from FLAGS.

Churchtown FLAG

CFLAG Report to Making Space for Water meeting - 17 Feb 22

- 1) *No Nuisance Flooding* in last quarter (not even at high river levels of 9 Feb 22)
(WBC, LCC and EA) *Pipe investigation 8 Dec 21* made four significant findings :-
 - i) Lower outlet pipe from m/h in front of Avenue bungalow *blocked 2m from m/h.*
 - ii) No pipe connection between m/h's in verge and in BP Garage access roadway, but pipe from verge m/h *follows a C shape to join directly into a pipe under A6* that flows from Garage Access m/h to the river outfall on the east side of Kirkland Bridge
 - iii) Surface water from the Avenue that flows through Green Wood in open ditch, enters a pipe where dye testing showed it turns 90 deg underground, passing under low spot of storage area where the pipe has been broken open, and terminates in m/h in verge at Kirkland Hall Gate. Conclusion is that there is *likely only the one pipe crossing under the A586* which is from that m/h (site for a possible sluice gate or penstock to prevent all flooding in Ainspool Lane).
 - iv) Pipe flowing into the m/h at Kirkland Hall gate from north (high) channel of A586 with no gullies is blocked at 39m but *what purpose does this pipe serve?*
- 2) (WBC) - Bad weather and high river meant that no jetting from outfalls was possible so it was agreed that *a second attempt should be made when the river is low* to :-
 - i) Clear pipe in 1(i) and trace its line and connections back from outfall behind Memorial Hall
 - ii) Investigate how surface water is drained from Smithy Lane (Old A6) which at the moment does not drain away and is connected with and feeds the Avenue Hotspot, or vice versa.
 - iii) Trace the pipe from the ditch near the low spot in Green Wood for any branch pipes under the A586 (i.e. to confirm only one crossing under the A586 from the Gate m/h).
 - iv) Unblock the pipe at 2(iv) beyond 39m to find further connections to confirm its purpose.
- 3) (EA) *Two trees interlocked in the water are still obstructing flow* in River Wyre 300m down from Kirkland Bridge (> 6 months). Also *extensive bank erosion on this section of river.*
- 4) (WBC) *Three grit bins still to be installed for sandbags* at Tarnacre. Location has already been agreed on site with WBC.
- 5) (LCC, EA) Question re effectiveness of bladder-type non-return valves. These are installed in various diameters upstream and downstream of Kirkland Bridge and hold water back in Smithy Lane for instance when water level in the river is lower. *Does the restriction of the valve within the pipe diameter cause silting up?*
- 6) *CFLAG is doing dye-test investigations where possible* to support further pipe probe work and will report findings.
- 7) (LCC) *Blocked gullies* evident all around the village, contributing to blocked pipes that cost much more to unblock than more regular cleaning of the gullies. Flood wardens attempt clearance at surface but silt remains in gully pot and soon re-blocks the outlets.
- 8) (EA) *Ainspool Field Hotspot* – Minor flooding on 20 Feb 22 in daylight provided the opportunity for Flood Wardens to monitor the source of flooding into this field. There is a *likely leakage* through the left side Ainspool Flood Embankment approx. 140 m downstream from the Ainspool Bridge that looks like it could be dug out and plugged with clay.

- 9) *(EA) Flap Valve loose* – 10m downstream from Ainspool Bridge, *the large flap valve was found loose* on the pipe that empties the field close to the houses, draining flood water back into the Brook after flooding. It was reconnected by hand by the Flood Warden but needs securing.
- 10) *New Flow control?* – In the run up to the latest flood alert, the previous days telemeter readings showed saw tooth peaks at 24 hr intervals down the Wyre from Six Arches to St Michaels. This was abnormal, so is there now a new river flow control upstream of Six Arches?

Garstang FLAG

When the storms were lashing other parts of the country I looked up the Environment Agency site for Rivers information and discovered that all levels on Wyre's Rivers were normal except that the information recorded showed that Roe Bridge on the River Brock was over the expected level.

Lancaster Road, Garstang – investigation required into flooding on highway and whether the discharge to the River Wyre is blocked/restricted.

Longmoor Lane, Nateby – repeated flooding of the highway needs investigation, including discharge to Ainspool watercourse.

Hambleton FLAG

A585 and Paul's Lane Area

There has been movement with our issues, and the FLAG acknowledges and welcomes the improvement works underway by LCC

We had some information by email about the works done and would request a fuller picture and a walkabout when the current planned works are complete, so as to better understand how our issues are being addressed.

Kiln Lane Pump Station

We had an informative visit to Kiln Lane pump station. As a follow up we received pumping information records for the most recent Kiln Lane flood event. Also UU advised that they would be checking the emergency overflow pipe run.

We still await specific confirmation regarding installation of monitors for Hambleton Sewer System.

After viewing the pump operation information we believe it will be informative to have similar information for previous flood events which together with monitoring information expected should define the reasons for our floods and what action is required.

Marsh Lane

My last understanding was that EA were determining ownership of the watercourse which takes the two out falls from Marsh Lane. This remains significantly silted and requires clearing.

Out Rawcliffe FLAG

No issues.

Thornton FLAG

Large Silt deposits in Hillylaid Pool in section from the Belverdere Culvert to New Lane railway Crossing.

Grid references :- 31 DD, 30CC, 29CC, 28CC, 34AA, 33BB.

This silt is causing major issues to the drainage system in this area and many drains are under a deep silt layer. Residents are having major issues with drainage and UU have been to a few of the homes in that area but problems still remain.

Our team visited the crossover pipe / chamber adjacent to 104a School Rd. Photos have been sent through to Paul of the configuration of the various drainage outlets from this pipe / chamber.

We believe that three flaps are required.

One to stop a back flow from Hillylaid Pool into crossover pipe which will then flow into the Network Rail Dyke.

Two flaps in the chamber one north and south side to prevent the chamber filling the NR Dyke.

There is also an exit/entrance from HP back into the NR dyke near Baines Endowed School. This will need some sort of flap to allow rainwater to exit the NR Dyke into HP.

We believe there is also a 300 mm drain which flows into the NR Dyke around No.86. We are not sure what effect this will have on flooding in this area. With the installation of the flaps at the chamber then this drain may not be a significant problem.

The desilting of the culvert under Amounderness Way by New Lane is still outstanding. We are aware that Paul has taken this up on numerous occasions with The Highways Agency. Just need to keep reminding them that this work needs doing.

Bay Horse Public House Car park area. Hillylaid Pool.

The EA camera is still not working, possible flat battery. Can this be chased up and also can a water level indicator be fitted which can be visible on camera. A white board with black marking in 10 cm graduations for example. Or whatever is the standard format.

Recent flooding on Lawsons Rd. This area we believed was flood free following all the work carried out by various agencies. Could the latest flood event be as a consequence of the leaky dam keeping levels in the Brookfield culvert system at a higher level and causing the flap valve adjacent to the Regenda homes remaining shut? The camera data at the Brookfield camera could possibly indicate if this is the case. Can a level indicator also be fitted at this location so the levels can be clearly seen to help in monitoring exercises?

The blockage on the section of dyke which runs west alongside Anchorsolme Lane East and joins into Royles Brook on Marsh Farm is still requiring removal. The EA did say they would do it but we know it's riparian so either the owner of the land needs to be informed or the EA need to do it. The HASSRA site has flooding issues and it also affects the homes around Aintree Ave. This is a long outstanding issue. Are there any other solutions to this problem?

The culvert under the A585 by White Carr Lane is still awaiting desilting. We know Paul has contacted Highways Agency many times but need to pester them again.

Tesco car park on Fleetwood Rd north regularly floods. The culvert under the car park gets full and the drains can't flow. Riparian issue. I am aware that Tesco have contacted Melrose on

numerous occasions. Our group is regularly contacted by a disabled resident who struggles to gain entry to the shop when the car park is flooded. Any suggestions please.

The Sandyforth Arms culvert. Can we have an update from the EA regarding camera fitting and possible any telematics.

Regarding the leaky dam, our team have been out getting datum readings for the Hillylaid Culvert, Bay Horse Culvert, Belvedere Culvert, New Lane Culvert. This is to enable monitoring of the levels in the HP system. I believe this monitoring was to be a joint exercise with the Rivers Trust. Is this still the plan? The cameras with level indicators would be a great help.

When will the report into the Stanah Pumping Station be ready for publication? How is the report to be delivered? Will it be a document for discussion or is the report going to be a working document which will form the basis for projects. Timescale please.

With regard the pumping station are there any plans to desilt the sump area in-front of the screws to create more storage capacity to ensure the pumps can run for a longer period before the area runs dry.

There is still a requirement for three areas of public footpath on Fleetwood Rd North to be raised to stop people having to walk into the road when heavy rain floods the pavement and in the case of one householder to stop water from flowing into her driveway up to her home. This is across the road from the new Coop. Mark is aware of this issue and we would like to be able to report to the residents when the work will be done.

Once again could we get an update from UU regarding the drainage issues with Marsh Road area? We are aware of the issues but need to ensure that this issue isn't forgotten about.

Also in the same area the pond on Royles Brook School is very high and there doesn't seem to be any flow out. There is rubbish in the dyke and we have reported deposits in the dyke adjacent to the footpath which look like possible sewage. Could we ask when was the culvert from the school which leads under Church Road last maintained?

It was good news that the dyke system on Hawley Gardens was eventually cleared of vegetation and the pond although looking as though it has been devastated was at least safer for children. The lifebuoys can now be clearly seen. I think it was a shock to some residents that they were responsible for the maintenance. Does there need to be more information on the Wyre Website regarding Riparian duties and which developments are affected?

St. Michaels FLAG

The village suffered two episodes of flooding during December last - the first immediately before the December Forum and the second immediately before New Year. On the first occasion at least two homes were flooded and on both occasions the A586.

Following the meeting with all Agencies (except UU) reported at the December Flood Forum investigations have been carried out by Highways, Flag Members and UU relating to drainage in the centre of the village. Temporary pumping facilities arranged by Highways have proved beneficial in reducing road flooding on A586/Rawcliffe Road corner and a local farmer has exposed a clough from a private drain on the river bank to the north of the bridge which was inoperative. UU have carried out a survey of drains from houses but the findings have not been shared.

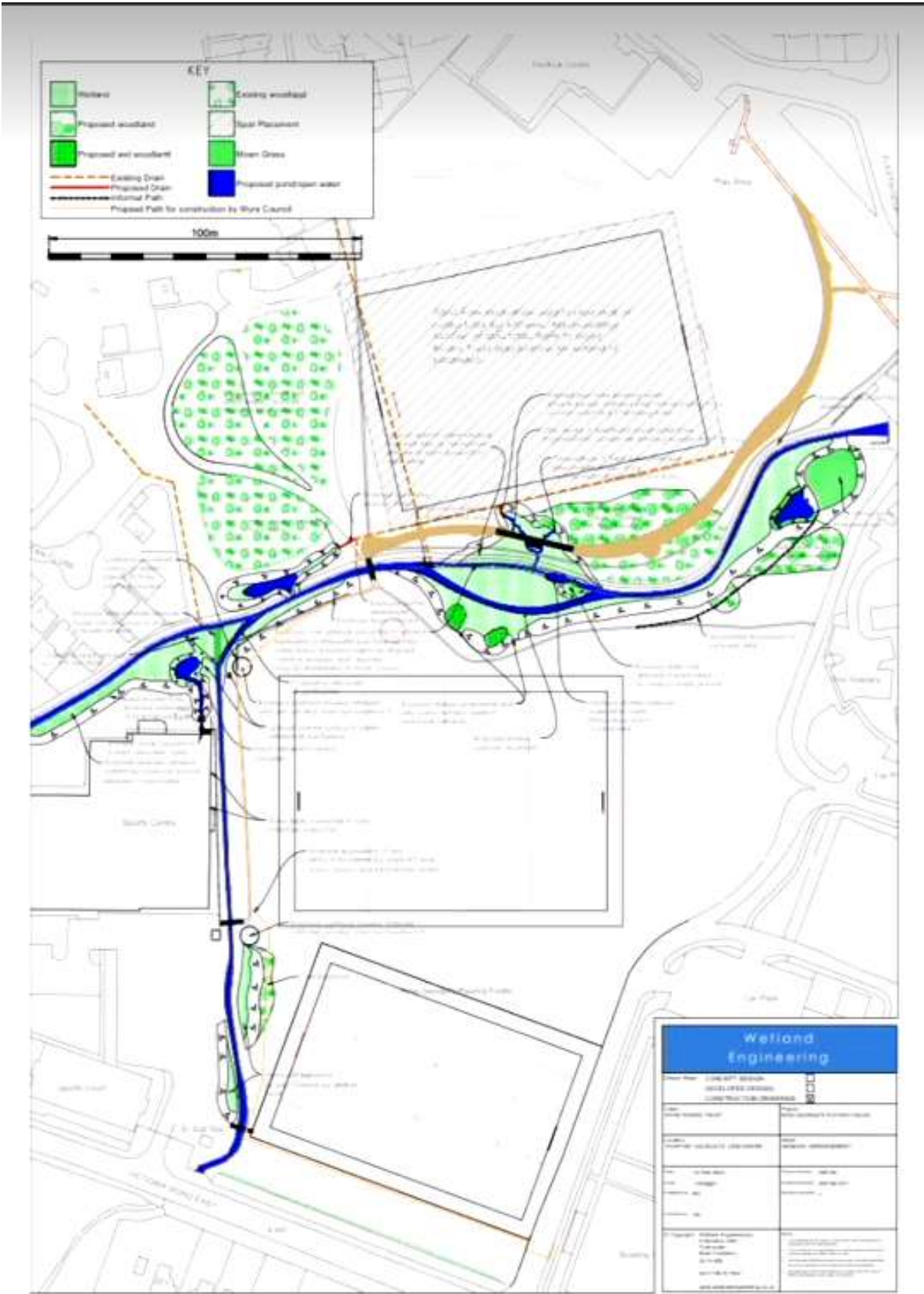
Investigations have also been made to confirm the ownership of the drain with clough in Gresty's field opposite the Church. This confirmed UU as the owner. It is reported to FLAG that the drain has been jetted on behalf of UU but that the clough will not shut so this may need replacing if not capable of repair. Apparently a sinkhole has been noted which may also have impact on the flooding of the A586 to the south of this field.

During December a fracture occurred in the pipe leading from St. Michaels pumping station to the Garstang WWTW. This is the twelfth occasion this pipe has fractured between Gt Eccleston and Churchtown to our knowledge. Although UU attended promptly to clean up and repair this took time and villagers' use of washing and toilet facilities was interfered with. In view of the lack of progress of UU to deal with pollution in the vicinity of Catterall's Farm which arises from the inadequacy of this pipe Ben Wallace MP is seeking to arrange a meeting with senior UU executives for them to explain reasons for the prolonged delay in resolving this very unsatisfactory situation.

Thanks are due to EA for resolving the worrying bank situation near Wild Boar Farm as promised at the last Flood Forum.

APPENDIX B

Planned Wetland
King George's Fields, Thornton



APPENDIX C

Issues and Actions Log

WYRE COUNCIL FLOOD FORUM – ISSUES & ACTIONS LOG



New / Urgent issue **R**

Ongoing issue **A**

Completed issue **G**

Updated text in bold/red

Incident No.	Description	Action	Location	RMA Lead	Other RMAs	A-Z ref	Date Added	Status	RAG
22/01 Feb 2022	The Avenue	- Surface water drainage from The Avenue direct to River Wyre to be cleared and route confirmed	Churchtown	LCC	WC		NEW 23/02/2022	- Works planned to be undertaken in April / May in conjunction with FLAG	R
22/02 Feb 2022	Green Wood off A585	- Surface water discharge from Green Wood to be restricted to prevent excessive flow to Ainspool Lane. Potential to install penstock to maintain surface water within the wood.	Churchtown	LCC	WC		NEW 23/02/2022	- Works planned to be undertaken in April / May in conjunction with FLAG	R
22/03 Feb 2022	Trees in River Wyre	- FLAG reports two trees in River Wyre approx. 300m downstream of Kirkland Bridge	Churchtown	EA			NEW 23/02/2022	- Issue previously reported but EA not able to locate trees	R
19/35	Gubberford Lane, Garstang 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
22/04 Mar 2022	Flooding to High Street, Garstang.	- Flooding on highway to be investigated. Suspected outfall to River Wyre adjacent to High Street car park to be checked for issues.	Garstang	LCC	WC		NEW 01/03/2022	- LCC to check tidal flap at outfall to River Wyre and ensure that the pipe is clear/	R
22/05 Mar 2022	Flooding on Longmoor Lane, Nateby	- Regular flooding of highway	Garstang	LCC			NEW 01/03/200	- Long standing issue – LCC to investigate issue but suspected riparian responsibility	R
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.	A

Incident No.	Description	Action	Location	RMA Lead	Other RMAs	A-Z ref	Date Added	Status	RAG
								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.	
21/07	Flooding to Moss Side Lane – road impassable due to overflowing watercourse	<ul style="list-style-type: none"> - 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		UPDATED – 25/02/2022	Works programmed for the end of March 2022 to restore right bank crest level after overtopping damage.	A
21/12	Butts Lane; junction with Back Lane	<ul style="list-style-type: none"> - Highway flooding due to suspected blocked gullies. 	Great Eccleston	LCC			UPDATED 01/03/2022	<ul style="list-style-type: none"> - LCC to investigate / clear gullies - Gullies cleared 	G
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 15/02/2022	<p>Ongoing – works undertaken</p> <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. - Highway drains cleared from Sandy Lane to Queensland. Damaged pipe repaired 	A
19/13	Kiln Lane / Sherbourne Road, Hambleton - Local area has suffered numerous flooding incidents resulting in internal flooding to a number of properties.	<ul style="list-style-type: none"> - UU to consider installation of new inspection chamber on culverted watercourse for easier access 	Hambleton	ALL			UPDATED 15/02/2022	<p>Ongoing - works undertaken</p> <p>Carried over from MSfW Hot Spot</p> <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. 	A

Incident No.	Description	Action	Location	RMA Lead	Other RMAs	A-Z ref	Date Added	Status	RAG
								<ul style="list-style-type: none"> - 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. - Highway drains checked and cleared; culvert to watercourse north of Kiln Lane cleared; watercourse cleared and desilted north of culvert outfall. 	
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 15/02/2022	Ongoing - works undertaken <ul style="list-style-type: none"> - 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. - Highway drains on Pauls Lane and Sandy Lane cleared. Broken pipe on Sandy Lane repaired. Drainage on Sandy Lane cleared. 	A
21/02	Bull Park Lane / Shard Lane	- Highway flooding on Bull Park Lane	Hambleton	LCC	EA		03/02/2021	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - New issue 	A
21/03	Flooding to property on Sunningdale Place, Inskip PR4 OUB	- UU to investigate and report to Flood Forum	Inskip	UU			18/02/2021	<ul style="list-style-type: none"> - UU investigating the inundation of the foul sewer network by surface water. - The investigations undertaken identified a cross connection upstream of the pumping station. This has now been removed subsequently reducing the amount of surface water entering the foul system. UU have also installed mitigation on a property adjacent to the station to reduce the risk of flooding. Further investigations have been put on hold for now 	A

Incident No.	Description	Action	Location	RMA Lead	Other RMAs	A-Z ref	Date Added	Status	RAG
								whilst UU monitor the effects of the recent findings and mitigation works undertaken.	
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
21/13	Flooding Wheel Lane	- Investigate flooding on Wheel Lane and complaint re local development	Pilling	LCC / WBC			UPDATED 16/02/2022	- Site visited by WBC and LCC – residents spoken to. Watercourses cleaned out north of flooding. Dye test to be performed to determine where package treatment plant discharges.	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	Ongoing: - 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 - Requested (24.08.2020) LCC check the condition of local highway drain.	A
19/07	Sunnyside Terrace has suffered a number of flooding events which have included internal flooding to properties – the most recent event was 22 November 2017. 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. LCC have obtained a grant to	- 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 01/03/22	- 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.	A

Incident No.	Description	Action	Location	RMA Lead	Other RMAs	A-Z ref	Date Added	Status	RAG
	undertake capital works to reduce the risk of flooding.							<ul style="list-style-type: none"> - 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. - WRT have produced works plan for Preesall Hill. To be presented to residents March 2022 	
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	<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
19/09	Pilling Lane, Preesall - Highway floods during heavy rainfall events. Road is only passable with care.		Preesall	WBC	LCC / EA		UPDATED 25/02/22	<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. - WBC confirm that surface water discharges from Pilling Lane into watercourse on Meadow Ave. Watercourse requires clearing. - EA planned targeted desilting to remove constructions and aid flows to pumping station. Work scheduled for the end of summer 22. 	A

Incident No.	Description	Action	Location	RMA Lead	Other RMAs	A-Z ref	Date Added	Status	RAG
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	<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)	<p>Stockenbridge update for June 17 WFF</p> <p>1) A gateway on the crest has been reinstated with concrete slab to match the embankment crest level.</p> <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 	St Michaels	EA		M17 & 018	UPDATED 25/02/2022	<ul style="list-style-type: none"> - EA - works to start summer 2019 - 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 - Permit submitted and approved. EA will update when construction date planned. 	A

Incident No.	Description	Action	Location	RMA Lead	Other RMAs	A-Z ref	Date Added	Status	RAG
		<p>any 'Emergency Works' are identified funding would be made available but would require sign-off from Operations Manager.</p> <ul style="list-style-type: none"> - 04/02/2019 looking at repairing the slump in the embankment at Stockenbridge 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. 							
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 25/02/2022	<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. - 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. - Site investigations to inform formal design due shortly. Full repair planned 2022/2023. 	A
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 be considered for future capital scheme - 05/11/18 - Needs to link to UMW Project - PB to update 	St Michaels	EA		V17	UPDATED 25/02/2022	<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 - Recommend closed. Work completed. 	G
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 	St Michaels	EA		V17, T17, Z11, AC18, AD20	UPDATED 25/02/2022	<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. 	G

		- Update 28/02/19 - EA are aware of this. Landowners / tenants need to take appropriate measures to fence off cattle /livestock from embankments.						- Recommend closed. Stock Proof fencing installed along the Brock.	
18/43	Coir roll - no vegetation photo 18	- 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 25/02/2022	- 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 - Recommend closed.	G
18/57	Consult FLAG re Upper Mid Wyre Project.	- 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 25/02/2022	Project Ongoing. - 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. - No change. Project paused, recommend closing action. Can re open if project is likely to restart	G
19/20	Rawcliffe Road, St.Michaels - sewer pipe opposite Catterall Farm is surcharging and discharge into watercourse	- UU to investigate and report back to Forum	St Michaels	UU	EA		UPDATED 17/05/2021	- UU are actively investigating. - <u>Agreed that this is not an issue for MSfW but is for UU to resolve.</u> - 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	A

Incident No.	Description	Action	Location	RMA Lead	Other RMAs	A-Z ref	Date Added	Status	RAG
								<ul style="list-style-type: none"> 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 17/05/21	<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	<ul style="list-style-type: none"> - 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 25/02/2022	<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 - EA - recommended to pick up actions in separate working group. 	A
20/21	North bank of River Wyre just west of bridge - erosion/slump of lower river bank		St Michaels	EA		S18	UPDATED 25/02/2022	<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. - EA contacting landowner. Monitoring slump, Landowner has agreed to fence off area. 	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 25/02/22	<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. - Works complete. Recommend closed. 	G

Incident No.	Description	Action	Location	RMA Lead	Other RMAs	A-Z ref	Date Added	Status	RAG
20/24	Frequent highway flooding of A586 between St Michaels Garage and Compton House		St Michaels	UU		Q16	UPDATED 17/05/21	- 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 25/02/2022	- 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 - Monitoring embankment condition. EA to contact 3rd party landowner to fence off.	A
21/09	Flooding to Allotment Lane	- Flooding of highway, and sewage flooding to gardens.	St Michaels	LCC	UU		NEW 17/05/2021		A
21/10	Lower Wild Boar, Rawcliffe Road	- River bank is leaking – trees growing in embankment	St Michaels	EA		J18	UPDATED 25/02/2022	Works complete. Recommend closed.	G
21/11	Humblescough Brook watercourse	- Someone has put in a clough under bridge on road leading to quarry.	St Michaels	EA			UPDATED 25/02/2022	- Can EA investigate? - Not a new structure - landowners been informed no further action. Recommend close.	G
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?	- 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 25/02/2022	Ongoing. - 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 - Recommend closed action.	G
18/13	What is the current situation regarding the inspection and maintenance of the culverts / pinch points, a list of which was supplied to the Forum, by Thornton Flag?	- EA to provide written response for May 2018 WFF - Long section to be produced - WBC producing culvert list to include maintenance schedules	Thornton	WBC	EA		UPDATED 27/02/20	Ongoing - Maintenance works ongoing. List yet to be updated and made available to Forum. - Awaiting details on HE culvert under A585 at White Carr Lane, and Red Marsh Industrial Estate.	A
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 25/02/2022	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. - Survey has identified that there is limited benefit to desilting this section. As, the invert level of the Belvedere Road bridge is higher than School Road outfall. We will continue to do our frequent maintenance weed cutting in this section.	A

Incident No.	Description	Action	Location	RMA Lead	Other RMAs	A-Z ref	Date Added	Status	RAG
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	<ul style="list-style-type: none"> - 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 <ul style="list-style-type: none"> - 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, surcharged sewers and surface water drains.	<ul style="list-style-type: none"> - 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: <ul style="list-style-type: none"> - Culvert under A585 now cleared. - Inspection of watercourse and local drainage carried out by WBC/ Thornton FLAG 1 Feb 2018 – WBC to identify responsibility for all culverts on Royles Brook and Hillylaid Pool - 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. 	A
19/27	Can we have a progress report regarding the inspection and condition of the Thornton culverts? See 18/13	<ul style="list-style-type: none"> - 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. - 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	- 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 Bescot Way) are silted up	- LCC to inspect and clear as necessary	Thornton	LCC			UPDATED 28/05/20	New from resident. - 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 - 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	- 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. - 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	A

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								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	- 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	- 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	- 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. - Consequently it would appear that the public sewer network was inundated with surface water as a result of a 1 in 687 storm. NFA	A
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	- 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	A
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