

WYRE Making Space for Water - Hotspot List

Appendix A - Flood Hot Spot List

Location of incident	Section 19	Brief summary of the incident	RMA	Agreed action	Status	Update / Comments
Catterall, Garstang Bypass	Yes	1 isolated flood incident reported; no further information but the Yoad Pool ordinary watercourse is located nearby.	Lead Local Flood Authority	<ul style="list-style-type: none"> LCC as Lead Local Flood Authority to investigate 	On-going	<ul style="list-style-type: none"> LLFA - FRM Team undertook site investigation on Tuesday 15 November 2016. Yoad Pool appears to be canalised in part fronting the property. The watercourse was heavily overgrown with vegetation and requires maintenance. It was noted that the main access bridge to the property, and two smaller bridges fronting the property, would impede the flow of the watercourse during high rainfall. The entrance to the property was very low and therefore easier for overspill of Yoad Pool to enter. At the time of visit no Property Level Protection measures were noted.
Churchtown	Yes	<p>58 properties flooded in and around Churchtown, including St. Helens C of E Primary School. Primary source of flooding from River Wyre with secondary flooding from Ainspool watercourse.</p> <p>Surface water flooding also appears to be a significant contributing factor.</p> <p>The majority of affected properties were on Ainspool Lane, Garstang Bypass Road, Garstang Road, and The Avenue (off Garstang Road).</p>	<ul style="list-style-type: none"> All RMA's to undertake data collection Appraise current programmed works Undertake preliminary investigations Undertake appraisal to identify possible actions Attend drop in session Undertake Section 19 Investigation Inspect assets with significant flood risk Assist and support new Flood Action Group 	On-going	<ul style="list-style-type: none"> HA - has undertaken gully cleansing / highway maintenance. Further investigation work still to be undertaken on the A6/A586 regarding side entry gullies. LLFA – Stage 1 of the Section 19 Investigation published. Intention to bid for Defra Investment Programme to undertake SWMP level 3 has been submitted to the EA for approval. UU – modelling and inspection of assets complete EA – flood banks re-built to pre December levels. Maintenance undertaken on assets. Inspection of river banking undertaken by pest control officer. ALL – attended flood roadshows and continued support to local community and meeting individual residents Churchtown Flood Action Group formed. WBC – updated Emergency Plans for Churchtown with assistance from FLAG WBC – supporting flood resilience grant applications and implementation of measures. 	
Garstang	Yes	<p>22 properties were flooded in Garstang on 5 December 2015. These include residential properties, a care home on the Moorings, a home for vulnerable adults and several businesses. The majority of affected properties were on Bridge Street.</p> <p>It appears that the main source of flooding was fluvial from the River Wyre.</p> <p>Residents have concerns that that they are not adequately protected by existing flood barriers.</p> <p>1 property was also flooded on the 26 December 2015.</p>	<p>Highway Authority, Lead Local Flood Authority, United Utilities, Environment Agency, Wyre Borough Council</p>	<ul style="list-style-type: none"> All RMA's to undertake data collection Appraise current programmed works Undertake preliminary investigations Undertake appraisal to identify possible actions Attend drop in session Undertake Section 19 Investigation Inspect assets with significant flood risk Assist and support new Flood Action Group 	On-going	<ul style="list-style-type: none"> HA - has undertaken gully cleansing / highway maintenance. No further action required at this time. LLFA – Stage 1 of the Section 19 Investigation published. Intention to bid for Defra Investment Programme to undertake SWMP level 3 has been submitted to the EA for approval. UU – modelling and inspection of assets complete EA – flood banks re-built to pre December levels. Maintenance undertaken on assets. ALL – attended flood roadshows and continued support to local community and meeting individual residents Garstang Flood Action Group formed

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Scorton / Forton	Yes	1 property affected by the 5 December 2015 flooding. The property lies within fluvial Flood Zone 3, adjacent to the River Wyre. There are some reports on highway flooding to the west of this location in Forton, however no internal flooding has been reported. 6 Caravans were also flooded at the Six Arches Caravan park approximately 1km downstream of Oak House	Highway Authority, Lead Local Flood Authority, United Utilities, Environment Agency	<ul style="list-style-type: none"> All RMA's to undertake data collection Appraise current programmed works Undertake preliminary investigations Undertake appraisal to identify possible actions Undertake Section 19 Investigation Inspect assets with significant flood risk 	On-going	<ul style="list-style-type: none"> HA - has undertaken gully cleansing / highway maintenance LLFA – Stage 1 of the Section 19 Investigation to be published by end of September. Undertaken inspection of ditch showed no obstruction. UU – modelling and inspection of assets complete EA – maintenance undertaken on assets.
St. Michaels (Blackpool Road, Hall Lane)	Yes	Pumping operation that took up to a week to clear the water out of the area. As a consequence, the main road running through St Michaels-on-Wyre, the A586 Blackpool Road, had to be closed off for a number of days. The flooding in this area was mainly fluvial from the River Brock, following breach of the embankment. It is reported that the overflow from River Brock crossed farmland before flooding the properties.	Highway Authority, Lead Local Flood Authority, United Utilities, Environment Agency, Wyre Borough Council	<ul style="list-style-type: none"> All RMA's to undertake data collection Appraise current programmed works Undertake preliminary investigations Undertake appraisal to identify possible actions Undertake Section 19 Investigation Inspect assets with significant flood risk 	On-going	<ul style="list-style-type: none"> HA - has undertaken gully cleansing / highway maintenance LLFA – Stage 1 of the Section 19 Investigation published. Inspection of ditch showed no obstruction. UU – modelling and inspection of assets complete EA – maintenance undertaken on assets complete. St.Michaels Flood Action Group formed
St. Michaels (Rawcliffe Road area)	Yes	5 residential properties in the Rawcliffe Road area flooded. The affected properties are at a moderate surface water flood risk, based on EA flood maps.	Highway Authority, Lead Local Flood Authority, United Utilities, Environment Agency	<ul style="list-style-type: none"> All RMA's to undertake data collection Appraise current programmed works Undertake preliminary investigations Undertake appraisal to identify possible actions Undertake Section 19 Investigation Inspect assets with significant flood risk 	Complete – No further action	<ul style="list-style-type: none"> HA - has undertaken gully cleansing / highway maintenance. No further action required at this time. LLFA – Stage 1 of the Section 19 Investigation published. UU – modelling and inspection of assets complete Recommendation - highway and surface water systems flow into main river, when water level is high system becomes locked. No engineering solution has been identified at this point so property level protection is recommended.
St. Michaels, Moss Side Road	Yes	Two farms flooded. EA mapping indicates that properties are adjacent to an area of high surface water flood risk	Highway Authority, Lead Local Flood Authority, Environment Agency	<ul style="list-style-type: none"> Undertake preliminary investigations Undertake appraisal to identify possible actions Undertake Section 19 Investigation Inspect assets with significant flood risk 	On-going	<ul style="list-style-type: none"> HA - has undertaken gully cleansing / highway maintenance LLFA – Stage 1 of the Section 19 Investigation published. EA – maintenance undertaken on assets complete. Future works have been identified and programmed
Linden Avenue / Branksome Avenue, Thornton Cleveleys	No	Applicant reports that a lot of the gardens along Linden have laying water. The owner is extremely worried as he thinks he has water under the floor.	Wyre Borough Council	<ul style="list-style-type: none"> WBC - to investigate options to drain surface water with support from UU 	On-going	<ul style="list-style-type: none"> WBC - Drainage works drawn up – provisional date for commencement, December 2016
Home Field, Garstang, Wyre	No	No internal flooding, however street/drives flooded 16 homes on Home Field. River Mead brook is behind them all. Brook has only been cleaned once that the applicant can remember. Concerns about it causing floods. Also drains couldn't take the water.	Lead Local Flood Authority, Highway Authority	<ul style="list-style-type: none"> LLFA Flood Risk Management Team to undertake investigation 	On-going	<ul style="list-style-type: none"> HA - to programme highway maintenance LLFA FRM Team undertook site investigation on Tuesday 15 November 2016. Heavily overgrown watercourse, maintenance required which may alleviate flooding issue. FRM to undertake land registry search and issue 1st stage enforcement letter

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Middle Holly Cottages, Forton	No	Report of blocked dykes	Lead Local Flood Authority, Highway Authority	<ul style="list-style-type: none"> Undertake investigations Undertake appraisal to identify possible actions Inspect highway culvert 	On-going	<ul style="list-style-type: none"> LLFA FRM Team undertook site investigation on Tuesday 15 November 2016. Good flow in dyke. Maintenance on the east side of the dyke seems to be regularly undertaken, this may be due to the dyke being at the bottom of the garden at Middle Holly Cottage. On the west side, more vegetation was present but not hindering the flow. The culvert under the A6 and Middle Holly Lane were free from any obstruction. I would suggest investigation into upsizing the culvert under Middle Holly Lane if Capital funds allow as the culvert size does not seem adequate for the flow. FRM to progress with Highways.
Grange Lane, Stalmine	No	Foul flooding of highway at junction of Grange Lane and Smithy Lane	United Utilities	<ul style="list-style-type: none"> Undertake preliminary investigations Undertake appraisal to identify possible actions 	Monitor	<ul style="list-style-type: none"> UU have completed works and installed new manhole
Meadow Avenue, Preesall	No	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.	Lead Local Flood Authority, Wyre Borough Council	<ul style="list-style-type: none"> Undertake investigations Undertake appraisal to identify possible actions Possible Enforcement 	On-going	<ul style="list-style-type: none"> Lead Local Flood Authority (FRM Team) to investigate, potential enforcement action required.
Cleverley Bank	No	Watercourse discharge to River Wyre on Cleveleys Bank Lane requires investigation works, including replacement of trash screen.	Highway Authority, Lead Local Flood Authority, Environment Agency	<ul style="list-style-type: none"> Undertake preliminary investigations Undertake appraisal to identify possible actions Replace culvert trash screen 	On-going	<ul style="list-style-type: none"> EA, LLFA, HA and WBC met to investigate works. EA to undertake works to watercourse
Sandy Lane, Hambleton	No	Reported by United Utilities that property flood during heavy rainfall events	Highway Authority, United Utilities	<ul style="list-style-type: none"> Undertake preliminary investigations Undertake appraisal to identify possible actions 	On-going	<ul style="list-style-type: none"> UU - have undertaken inspection of assets, cleaned systems HA - to programme an investigation and work with UU
Church Lane, Hambleton	No	Highway floods during heavy rainfall events. Road is only passable with care.	Highway Authority	<ul style="list-style-type: none"> Highway Authority 600 diameter stone culvert asset requires upgrading. 	On-going	<ul style="list-style-type: none"> Highway Authority report that this work is currently in the construction phase.
Bull Park Lane, Hambleton	No	Highway floods during heavy rainfall events. Road is only passable with care.	Highway Authority	<ul style="list-style-type: none"> Undertake preliminary investigations Undertake appraisal to identify possible actions. 	On-going	<ul style="list-style-type: none"> Lead Local Flood Authority (FRM Team) to investigate, potential enforcement action required.
Kiln Lane / Sherbourne Road, Hambleton	No	Highway floods during heavy rainfall events. Road is only passable with care. Flooding to local residential properties. Long-standing problem – LCC undertook extensive investigation in 2012/13 following flooding in September 2012	Highway Authority, United Utilities	<ul style="list-style-type: none"> UU to investigate foul drainage system. 	On-going	<ul style="list-style-type: none"> UU have undertaken works to prevent tidal water entering foul drainage system at high tide.
Stricklands Lane, Stalmine	No	Highway floods during heavy rainfall events. Road is only passable with care.	Lead Local Flood Authority, Highway Authority	<ul style="list-style-type: none"> Undertake preliminary investigations Undertake appraisal to identify possible actions. 	On-going	<ul style="list-style-type: none"> Lead Local Flood Authority (FRM Team) to investigate, potential enforcement action required.
Pilling Lane, Preesall	No	Highway floods during heavy rainfall events. Road is only passable with care.	Lead Local Flood Authority, Highway Authority	<ul style="list-style-type: none"> Undertake investigations. Consider linkage to Meadow Ave. Undertake appraisal to identify possible actions Possible Enforcement 	On-going	<ul style="list-style-type: none"> Lead Local Flood Authority (FRM Team) to investigate, potential enforcement action required.