Action ref	Link with Surface Water Managemen Plan Action	Action nt n/s	Expected Outcome/ Indicator for Success	Stages to Achieve Action	Stage at August 2015 I	Stage at December 2016 D	Stage at ecember 2017 D	Stage at ecember 2018	Stage at June 2021	Complete?	Action Owner	Action Supporter	Priority	Indicative Cost	Notes
LFRMS - 1a	NA	Complete a regional Surface Water Management Plan.	A fuller understanding of the local sources of flood risk in Bath & North East Somerset based on recorded and modelled flood risk information from multiple agencies.	<ol> <li>Collate, analyse and map recent and relevant flood incidents from project partners to fully understand the flood risk in Bath &amp; North East Somerset.</li> <li>Prioritise key flooding locations or 'wet spots'.</li> <li>Produce a long term, area wide plan to manage local sources of flooding within Bath &amp; North East Somerset. This includes two action plans; 1). A strategic and operational action plan which has been merged into this Local Flood Flisk Management Strategy Action Plan, and 2). a Location Specific Action Plan provided in Appendix D.</li> </ol>	3	3	3	3	3		Lead Local Flood Authority.	Strategic Flood Board.	Complete	High	
LFRMS - 1b	SOAP01	Continue to develop an updated flood reporting system.	Flood incident data provided in a standardised format which will improve ability to use the data as a beneficial source of information.	<ol> <li>Review the Surface Water Management Plan database summarising flooding to understand key information.</li> <li>Review Bath &amp; North East Somerset flood incident reporting system.</li> <li>Update the reporting system to include prompts for key information. Information to include; date, location, duration, an idea of the flood source, description of the flood extent and depth.</li> <li>Undergo annual review of the flood reporting system and update as appropriate.</li> </ol>	4	4	4	4	4	4 -Ongoing	Lead Local Flood Authority.	Council Connect Local Highways Authority, Environment Agency, Wessex Water, Avon Fire and Rescue.	High	Low	National roll out of Flood Incident Reporting system expected 2017 Continual process As June 2018. Fix My Street intoduced for flood reporting and intyegrated with Confirm. We have a specific flood report form online: http://www.bathnes.gov.uk/services/environ ment/lead-local-flood-authority/report-flood- incident
LFRMS- 1c	NA	Improve the use of visual tools (e.g. GIS) to record and analyse flooding incidents.	<ul> <li>A holistic picture of flooding in the region and improved ability to identify priority areas in the future.</li> </ul>	<ol> <li>Identify and map flooding incidents as part of the Bath &amp; North East Somerset regional Surface Water Management Plan.</li> <li>Develop a process to add new flooding incidents to GIS when they occur.</li> <li>Incorporate flooding incidents to the GIS.</li> </ol>	3	3	3	3	3		Lead Local Flood Authority, Bath & North East Somerset GIS team.	Environment Agency Wessex Water	Medium	Low	Protocol established for 'publishing' investigations. Both Formal S19 and informal investigations carried out.
LFRMS- 1d	NA	Continue to complete investigations of floc incidents, where the appropriate criteria is met (see Section 3.4.6).	d The appropriate Risk Management Authority is identified, and an investigation is completed	<ol> <li>Lead Local Flood Authority to identify the relevant authority responsible for undertake a Section 19 investigation where the criteria is met.</li> </ol>	1	1	1	1	1		Lead Local Flood Authority.	Relevant Risk Management Authorities.	High (following flood events which meet the criteria)	Medium/ High	protocol estab;lished for 'publishing' investigations.
LFRMS- 1e	NA	Ensure that appropriate data on flooding is shared between organisations, and betwee organisations and communities.	Awareness about flood risk is improved within Bath n & North East Somerset.	<ol> <li>Ensure Risk Management Authorities share appropriate data about flooding with the Lead Local Flood Authority. (Links specially with LFRMS 1a &amp; 3a).</li> <li>Ensure communities and other organisations can share knowledge about flooding with the relevant Risk Management Authority. (Links specially with LFRMS 2a, 2b &amp; 2d).</li> <li>Ensure relevant flooding information obtained through stages 1 and 2 above is shared appropriately with communities in Bath &amp; North East Somerset</li> </ol>	2	3	3	3			Lead Local Flood Authority	Relevant Risk Management Authorities, communities, other organisations	Medium	Low	National roll out of Flood Incident Reporting system expected 2017 Report Flooding' poster published. Attending Parish Forumns Autumn 2016/ Winter 2017 Use SWIM to record flooding incidents - this is set up to share data with the EA etc. Reports of flooding are fed back to communities via Local Flood Reps
LFRMS- 2a	NA	Establish clearer routes for communicating with communities and businesses about th roles and responsibilities for flood risk.	Good communication will enable people to clearly e understand their risks, the impact of proposed actions to manage these risks, and what can be done by communities and businesses to manage the residual risk.	<ol> <li>Agree routes for communication between communities, the Operational Flood Working Group, Local Flood Representatives and other appropriate partners.</li> <li>Raise awareness of ways to report property flooding and communicate about other appropriate flooding information.</li> </ol>	1&2	2	2	2	1	2 Ongoing	Lead Local Flood Authority.	Parish councils, Wards, Federation of Bath Residents Association, Local Flood Representatives, Environment Agency, Wesse Water.	Medium ex	Low	Local Flood Rep meetings and Comms. 'Report Flooding' poster published Attendance at Parish Forumns Need to establish annual comms programme before winter. Quarterly Local Flood Rep Newsletter includes info on flood repoprting and flood awarness.
LFRMS- 2b	NA	Help communities understand their own flood risk and their responsibilities for managing flooding.	Improved awareness within communities about responsibilities around managing flooding and how to assess flood risks.	1. Work with partners to support community-led flood forums or flood awareness events.	-	1	1	1	1	1 Ongoing	Lead Local Flood Authority, Emergency Planning and Business Continuity	Local Flood Representatives Parish Councils, Wards, Community Groups, Environment Agency, Wessex Water.	High	Low	Make best use of Local Flood Reps and Parish Forums. The LLFA wil support communities where theycome forward for support.
LFRMS-2c	NA	Raise awareness of land drainage and riparian responsibilities.	Improved maintenance of watercourses by Riparia Owners	n 1. Work with Local Flood Representatives, or other appropriate partners, to ensure awareness riparian responsibilities is improved amongst communities.	-	1	1	1		1 Ongoing	Lead Local Flood Authority	Local Flood Representatives, other appropriat partners	ə Medium	Low	Riparian/ watercourse management protocol established however need to publicise. To include Natural Flood Management awarness. Produce a poster or other comms to raise local awarness of riparian responsibilities for streams/ small waterciourses/ ditches etc. Plan to raise awarness of Land Drinage Consent in 2019.
LFRMS- 2d	SOAP 08	Develop a network of Local Flood Representatives to act as a point of contac in the community on flooding issues.	Improved communication between individual t communities and the Lead Local Flood Authority of flooding issues.	Invite Parish Councils, the Federation of Bath Residents' Associations and Bath Wards to n nominate Local Flood Representatives as a communication channel between the Operational Flood Working Group and all communities.     Appoint Local Flood Representatives.     Continue to review Local Flood Representatives and recruit as needed.	2	3	3	3		3 Ongoing	Lead Local Flood Authority.	Parish councils, Wards, Federation of Bath Residents Association, Local Flood Representatives.	Medium	Low	29 Local Flood Reps in place as of Decmebr 2016. As August 2017. 31 Flood Reps in place with annual meetings and ongoing comms. Local Flood rep feedback saught summer 2018. Positive responses from thaose that were in contact.
LFRMS- 2e	NA	Ensure communities know what to do in th event of a flood,	e Communities can approach the appropriate Risk Management Authority for support and are able to recover more quickly as a result of actions taken.	<ol> <li>Develop a guidance sheet to improve awareness of what communities should do in the even of a flood.</li> <li>Share this guidance sheet with Councillors and communities through the appropriate communication channels established as part of LFRMS 2a.</li> </ol>	t 1	1	1	2			Lead Local Flood Authority.	Local Flood Representatives, Councillors. Emergency Planing, Environment Agency	Medium	Low	Achieve this via the Operational Flood Working Group. Progress made at Chew Stoke, Chew Magna and Broadmead Lane with community flood training from Groundwork. Local Flood rep Newsletter includes general community flood averages and flood planing information. https://www.gov.uk/prepare-for- flooding/future-flooding Newsletters shared with Cabionet Member with Flooding Portfolio.

LFRMS- 3a	SOAP03 & SOAP04	Continue to work with partners, including adjacent authorities, to develop long term approaches to manage flood risk.	A more coordinated approach to the management of local flood risk in Bath & North East Somerset.	<ol> <li>Form a Strategic Flood Board and Operational Flood Working Group.</li> <li>Schedule regular meetings of the Strategic Flood Board, and Operational Flood Working Group as required.</li> </ol>	2	2	2	2	2		Lead Local Flood Authority.	Strategic Flood Board, Operational Flood Working Group.	High	Low	
LFRMS- 3b	NA	Deliver the actions in the Bath & North East Somerset regional Surface Water Management Plan.	Improved local flood risk in the Bath & North East Somerset.	<ol> <li>Use the findings from the Bath &amp; North East Somerset regional Surface Water Management Plan to inform the need for projects/ schemes.</li> <li>Work with the Strategic Flood Board, and Operational Flood Working Group, to help deliver this as part of a long term plan.</li> </ol>	1	2	2	2			Lead Local Flood Authority, Local Highways Authority.	Strategic Flood Board, Operational Flood Working Group.	High	High	Feb 2019 Assessing 'wet spots' as idnetified in SWMP. Investigations where necessary.
LFRMS- 3c	SOAP05	Continue to develop a register of assets which significantly affect local flood risk*.	Effective management of assets which have a significant effect on flood risk	<ol> <li>Develop an improved flood risk asset register and record template, a process for the assessment of assets, and establish a periodic monitoring procedure for further discussion.</li> <li>Strategic Flood Board to agree the register and record template, and the assessment and monitoring procedures.</li> <li>Produce the agreed updated flood risk asset register and record.</li> <li>Record and monitor assets using the agreed procedures.</li> </ol>	1	2	3	4	4		Lead Local Flood Authority.	Strategic Flood Board, Bath & North East Somerset GIS team, Local Highway Authority,	Medium	High	Asset Register format and procedure set up. Currently reviewing assets and populating Register. Public Register to be published November 2017 Asset Register being refined as more information becomes abvauilable.
LFRMS- 3d	NA	Designate structures that effect local flood risk, to protect them from alteration or removal.	Significant assets will not be altered, removed or replaced without consideration of the impacts to flood risk. This will also enable the Lead Local Flood Authority to understand who owns and maintains structures.	<ol> <li>Using the procedure identified for the identification of flood risk assets (Action 3c), identify 3rd party assets.</li> <li>Implement individual procedures on a case by case basis.</li> </ol>	1	1	1	1	1		Lead Local Flood Authority.	Relevant partners.	Low	Low	Assets should be highlighted as part of the Asset Register procedure. No national implementation of designation. No clear pathway to this.
LFRMS- 3e	NA	Continue to assess applications for works on Ordinary Watercourses, through the land drainage consent process.	To ensure the normal flow of water in Ordinary d Watercourses with no increase in flood risk	<ol> <li>Use consenting and enforcement powers when required.</li> <li>Raise awareness of Land Drainage Consent via Planning and other means.</li> </ol>	1	2	2	2	2		Lead Local Flood Authority.	Local Planning Authority.	Medium	Low	Think about communication channels to raise awarness of Land Drainage Consent (tied in with Riparian rights and responsibilities. Publicity materials (poster) produced 2018 Publicity campaign planned for 2019. Plan to highlightst LDC during Planing Application responses (2019).
LFRMS- 3f	See the Location Specific Action Plan for wet spots provided in Appendix D	Identify catchments where improved land management could reduce flood risk and/ o improve the water environment.	Reduced local flood risk and improved overall water environment (e.g. contribution to meeting Water Framework Directive)	<ol> <li>Monitor flooding incidents recorded in wet spots identified in the Bath &amp; North East Somerset regional Surface Water Management Plan to identify catchments where improved land management could reduce flood risk, and work with other organisations to help identify potential areas.</li> <li>If improved land management is deemed as preferable in order to reduce flood risk or improve the water environment, investigate opportunities to work with landowners to develop schemes.</li> </ol>	1	2	2	2			Lead Local Flood Authority.	Relevant partners.	Medium	Low	A number of locations identified and contact with landowners. Have set-up with the Farming and Wildlife Advisory Group to look aty Natural Flood Management options for Timsbury, Welton Grove and Upper Weston. Have established partnership working with FWAG for identified catchments. NFM projects delivered in Weston, Radstock and farmbrough (2017-18). Currently reviewing success or otherwise.
LFRMS– 3g	SOAP06	Identify critical highway drainage assets, in order to undertake targeted maintenance and respond to issues as the Local Highways Authority.	More effective management of highways drainage assets to mitigate/ reduce flood risk.	<ol> <li>Investigate highways drainage flooding events to identify the critical assets.</li> <li>Investigate highways drainage flooding events to identify the critical assets.</li> <li>Develop a revised maintenance regime for these critical assets; or identify assets that require replacement or improvement.</li> </ol>	1	2	2	2		2 Ongoing	Lead Local Flood Authority, Local Highways Authority.		High	Low	Highway Maintenance now have a GIS system in pace that provides data on highway asset condition (Kaarbontech). Work is in progress to establish a risk based approach to highway drainage asset maintenance. Kaarbontech info to be improved via new Highway Maintenance term contract 2019+. Special Attention Gullies reviewed regulatry during Councul drainage meetings.
LFRMS-3h	NA	Prioritise maintenance and clearance works to culverts and watercourses.	More targeted and effective management of culverts and watercourses which pose a significant flood risk.	<ol> <li>Identify and prioritise which culverts or watercourse which pose the most significant flood risk to people, property and infrastructure</li> <li>Develop a revised maintenance regime for these critical assets; or identify assets that require replacement or improvement. Ensure that consideration is given to the potential impact on roosting bats or other ecology.</li> </ol>	1	2	2	2			Lead Local Flood Authority.	Riparian Owners, Bath & North East Somerset Ecology Team, Natural England.	High	Low	Asset Register work will highlight assets that may require investigation or improved maintenance. A Reactive Maintenance protocol has been established for critical ordinary watercourse assets. Inspections of assets carried out as part of annual watercourse maintenance. New contractor appointed 2018. Cheaper, better health and safety and improved sustainability.
LFRMS- 3i	NA	Evaluate flood reports to identify where drainage improvements or other mitigation works are possible.	Improved drainage/ flood risk.	Identify locations and investigate flood mechanisms.     Prioritise locations using a risk based approach.     Design schemes.     Implement schemes where possible.	1	1,2,3,4	1,2,3,4	1,2,3,4			Lead Local Flood Authority.	Relevant partners.	High	High	Ongoing process. informal and formal S19, plus regular drainage meetings and programming based on risk
LFRMS-4a	SOAP02	Continue to review planning applications to make recommendations for surface water drainage and managing flood risk.	<ul> <li>Planning decisions are properly informed about flood risk and drainage requirements.</li> </ul>	<ol> <li>Ensure new developments consider all flood risk and climate change. Promote Sustainable Drainage Systems in accordance with National Planning Policy Framework, the Bath &amp; North East Somerset Place Making Plan, West of England Sustainable Drainage Systems Guidance and other relevant sustainable drainage requirements.</li> </ol>	1	1	1	1	1		Lead Local Flood Authority, Local Planning Authority[1], Environment Agency.	Wessex Water, Canal & River Trust, Emergency Planning Authority	High	Low	utilising West of England Sustainable Drainage Developer Guide. Monthly peer review of Planning App responses to ensure improvments and consistency.
LFRMS – 4b	NA	Publish the West of England Sustainable Drainage System Guidance for developers, and work across the West of England to co- ordinate sustainable drainage system implementation.	Developers utilise sustainable methods of surface water drainage and increases in surface water flow from future development are mitigated.	<ol> <li>Complete the West of England Sustainable Drainage Systems Guidance document.</li> <li>Publish the guidance on the Bath &amp; North East Somerset Council website and ensure this is communicated to developers as appropriate.</li> </ol>	2	2	2	2	2		Lead Local Flood Authority, Local Planning Authority.	West of England Partnership.	High	Low	West of England Sustainable Drainage Developer Guide published (2015) and promoted to Planning team and Planning Agents.
LFRMS – 4c	NA	Include Sustainable Drainage System planning policy within the Council's Placemaking Plan/ Core Strategy.	Sustainable drainage is incorporated into new development to reduce surface water runoff and minimise its contribution to flooding.	<ol> <li>Incorporate Sustainable Drainage System planning policy within the Council's Placemaking Plan/ Core Strategy.</li> </ol>	1	1	1	1	1		Local Planning Authority, Lead Local Flood Authority	-	High	Low	Policy SU1 Placemaking Plan LLFA integrated ionto reviews of 'Local Plan' and other strategic planing policy docs.

LFRMS - 4d	NA	Continue to provide guidance at the pre- application stage on flooding issues.	Drainage and flooding issues are adequately considered prior to applications gaining approval and that applications consider the use of Sustainable Drainage Systems.	Work with developers and the Local Planning Authority to implement the most appropriate drainage strategy for planning applications.     Promotion of advisory service via Council communication channels and Local Flood Representatives.	1	2	2	2	2	L L A	Lead Local Flood Authority, Local Planning Authority.	Environment Agency, Wessex Water.	High	Low	LLFA involved in new pre-application process and promotion of. Attendance at Planning Agents forum.
LFRMS – 4e	NA	Consider the need for additional planning guidance on flooding specific to Bath & North East Somerset.	Effective planning guidance on flooding is provide within Bath & North east Somerset.	d 1. Continually review the appropriateness and effectiveness of current planning guidance to minimise flooding in Bath & North East Somerset.	1	1,2	1,2	1,2	1,2	L F A	Lead Local Flood Authority, Local Planning Authority.	-	Low	Low	Continuous revisions of West Of England SuDS Guidance doc with other partners. Local Plan and Placemeking Plan now include specific flood risk and sustainable drinage policies. Workign with Planning Dept and Environment Agency for revised Stratgeic Flood risk Assessment for BANES (2018/19)
LFRMS - 4f	NA	Identify areas that are sensitive to surface water flood risk and develop appropriate surface water drainage and flood risk requirements for any proposed developmen in these areas.	To ensure flood risk is not compromised and potentially improved with any proposed development. nt	2. Take appropriate action to improve planning guidance and considered necessary.     1. Identify development sensitive areas.     2. Develop appropriate drainage and/or flood risk requirements.	1	2	2	2	2	F	Lead Local Flood Authority.	Local Planning Authority.	Medium	Low	LLFA have fed back on the Joint Spatial Plan with specific drainage requirements. We have set up a Surface Water Flood Risk 'constrints' layer for the LPA - they concult us on anything in this area. Consider working with LPA to designate 'sensitive drainage areas). Our team is consulted on any development that has a level of surface water flood risk (LLFA constraints layer)
LFRMS - 5a	NA	Help develop a multi-agency flood plan for high risk areas in Bath & North East Somerset.	A joined up approach that ensures resources are effectively managed.	<ol> <li>Identify areas at high risk.</li> <li>Work with partners and communities to produce plans.</li> <li>Share the flood plan with communities in the region using the agreed approach developed in LFRMS 2a.</li> </ol>	1	1	1	1	1	E P A	Emergency Planning Authority.	Strategic Flood Board, Emergency Services Environment Agency, Lead Local Flood Authority.	i, Medium	Low	need for plan for Bath has been established with Strtageic Flood Board. Emergency Planning and Environmetn Agency now working towards. Specific projects at Chew Stoke, Chew Magna and Broadmead Lane Industrial Eststate with Groundwork EA exploring temporoary flood barrier locatins for Bath (Nov 2017) ). EA has identified temporary flood barrier locations for Bath (2020)
LFRMS - 5b	NA	Communicate information to communities, businesses and individuals on flood preparedness and recovery.	Communities, individuals and businesses can adequately prepare for flooding and are more likel to be able to recover more quickly following a floo event.	<ol> <li>Work with Local Flood Representatives, or other appropriate partners, to target the most y vulnerable communities, businesses and individuals as outlined in the Bath &amp; North East d Somerset regional Surface Water Management Plan / those interested in developing their own Community Flood Plans.</li> <li>Provide literature and templates to ensure plans are appropriately structured, developed and maintained.</li> </ol>	1	2	2	2		L F F F	Lead Local Flood Authority, Emergency Planning Authority.	Environment Agency, Parish Councils, Community Groups, Local Flood Representatives.	High	Low	Have promoted the opportuinites of flood plans via Local Flood reps. Specific projects at Chew Stoke, Chew Magna and Broadmead Lane Industrial Eststate. More general work required. Opportunity to promote property Level Resilience to homeowners following flood incidents? Standrad letter and information pack for individual property owners?
LFRMS - 5c	NA	Promote uptake of the Environment Agency's Floodline Warnings Direct service	Individuals will have improved access to flood e. warnings which will aid them in their ability to respond to threats.	<ol> <li>Review information provided on the Bath &amp; North East Somerset Council website and update as appropriate. Ensure consideration is also given to providing information about the service on appropriate Council literature and other communications.</li> </ol>	1	1	1	1	1	Ongoing L F E C ti	Lead Local Flood Authority, BANES Communications team.	Environment Agency.	Low	Low	Continual process. LLFA/ BANES have promoted the EA's flood awarness campaign Novemebr 2016 and 2017. Talk to EA about how we can support them in promoting.
LFRMS - 5d	SOAP07	Improve warnings and proactive mitigation in response to predicted rainfall.	Assets can be targeted for maintenance in advanc of forecast rainfall to reduce the risk of blockage, and hence flood risk.	e 1. Develop a timely and appropriate response to flood and serve weather warnings; giving consideration for proactively maintaining assets in response to forecast rainfall.	1	1	1	1	1	L F	Lead Local Flood Authority.	Local Highways Authority, Emergency Planr and Business Continuity, Met Office.	ning High	Low	A Reactive Maintenance protocol is in place for critical ordinary watercourse assets. Plans in place for highway assets. LLFA has supported Chew Magna with the installation of two bespoke river level guages that drive local actions.

The following pages are Actions produced from the BANES Surface Water Management Plan (2015). These are divided into 'Joint' Actions (common to multiple locations) and 'Local' Actions (specific to particular streets or areas).

Wetspot ID	Location	Action	Implementation Plan	Plan Progress at April 2015	Plan Progress at February 2019	Action Owner	Action Supporter	Indicative Cost*	Priority*
DA06A	Publow Lane and Pensford Hill	Improve highway / land drainage	1. Monitor flood incidents	2	1,2,4,5 NFA				High
DA07B	Wells Road, Hallatrow		2. Check Cyclic maintenance has been carried out	2	1,2,34,5 NFA				High
DA07C	Rush Hill, Farrington Gurney		<ol> <li>Investigate performance of highway</li> <li>Iand drainage system, identifying any</li> </ol>	4	1,2,3,4,5, NFA				High
DA10C	Durcott Lane, Camerton and Radford		maintenance or design requirements.			LLFA			High
DA10D	Brookside Paulton		4. Carry out required maintenance OR design and construct engineering scheme	2&3	1,2,3,4,5 NFA				High
DA11A	Hayes Park area,		5. Implement continued maintenance	2	1,2 WIP				High
DA11D	Midsomer Norton Fortescue Road, Radstock Regeneration		programme		1,2,3,4,3 1017	Radstock Regeneration		High	High
DA14A	area Vicinity of Crossways, Dunkerton			1	1,2,3 WIP 1,2,3,4,5 NFA		-		High
DA16B	Charlcombe Lane and Landon Road, Larkhall and Fairfield			1	.,2,5 NFA - cleansing				High
DA16E	Camden Crescent, Walcot			1	2, 4 5 NFA		Highways		High
DA16F	Bathwick Street, Bathwick			1	2, 4, ,5 NFA		Mtc		High
DA16H	Lymore Avenue, South Twerton			1	2, 3,4,5 NFA				High
DA16J	Wellsway, Bloomfield			1	2,4 ,5 NFA				High
DA03B	Bristol Road, Whitecross Farm			1	2, 3, 4, 5			Medium	Mediur
DA05A	Bristol Road, Whitchurch			1	,2,3,4,5 NFA			Medium	Mediur
DA06B	Chelwood			1	2,3,4,5 NFA			Medium	Mediur
DA08A	Park Road, Keynsham			1	2,3 , 4, 5 NFA			Medium	Mediur
DA10A	The Street, Farmborough			1	2,5 NFA			Medium	Mediur
DA10E	Carlingcott Lane			1	2,3,4,5 NFA			Medium	Mediur
DA10F	Bath Road & Albert Avenue, Peasdown St John			1	2,3,4,5 NFA			Medium	Mediur
DA11B	Charlton Road, Midsomer Norton	]		1	2,3			Medium	Mediur

**	Notes
	Review frequency of gully cleanising?
	Cleansing undertaken. Assets updated.
m	Scheme deliverd 2019
m	2015
m	Engineering Scheme delivered 2015.
m	
m	
m	
m	
m	Added to Drainge New Entries (24/04/19)

DA16I	Priory Park Road, Widcombe
DA09A	Redlynch Lane, Chewtor Keynsham
DA12A	Bath Road, Kelston
DA13A	Wells Road, Corston
DA14B	Tunley Road, Longhouse
DA16A	Weston and Upper Weston
DA16C	Newbridge Road
DA01A	Ubley, Blagdon Lake
DA03A	Wick Road and Ham Lane, Bishop Sutton
	· · · ·
DA04A	South Widcombe
DA04A DA04B	South Widcombe Coley
DA04A DA04B DA07A	South Widcombe Coley Clutton Hill
DA04A DA04B DA07A DA08C	South Widcombe Coley Clutton Hill Bath Road, Saltford
DA04A DA04B DA07A DA08C DA11C	South Widcombe Coley Clutton Hill Bath Road, Saltford Fosse Way Clandown
DA04A DA04B DA07A DA08C DA11C DA11E	South Widcombe Coley Clutton Hill Bath Road, Saltford Fosse Way Clandown Kilmersdeon Road, Haydon
DA04A DA04B DA07A DA08C DA11C DA11E DA13B	South Widcombe Coley Clutton Hill Bath Road, Saltford Fosse Way Clandown Kilmersdeon Road, Haydon Pennyquick, Newton St Loe
DA04A DA04B DA07A DA08C DA11C DA11E DA13B DA15A	South Widcombe Coley Clutton Hill Bath Road, Saltford Fosse Way Clandown Kilmersdeon Road, Haydon Pennyquick, Newton St Loe Old Midford Road, Twinhoe

1	2,3		
1	2,3,4,5 NFA		
1	2,3,4,5 NFA		
1	2,3,4,5 NFA		Highway
1	2,3,4,5 NFA		WW
1	2,3,4,5 NFA	LLFA	
1	2,3,4,5 NFA		
1	2,3,4,5 NFA		
1	2,3,4,5		Highway Mtc
1	2,3,4,5 NFA		
1	2,3,4,5 NFA		
1	1		
1	2,3,4,5 NFA		Highway Mtc, EA
1	2,3,4,5 NFA		ww
1	2,3,4,5 NFA		

	Medium	Mediu
	Low	Mediu
	Low	Mediu
ghways	Low	Mediu
itc, EA, WW	Low	Mediu
	Low	Mediu
	Low	Mediu
	Medium	Low
ghways Mtc	Low	Low
	Medium	Low
	Low	Low
	Low	Low
	Medium	Low
	Low	Low
	Low	Low
ghways 1tc, EA,	Low	Low
WW	Low	Low
	Low	Low

m	Monitor. Property Flooding 2018. Minor works
m	2015.
m	
m	
m	
m	Daylighting up West Brook. NFM. Regular watercourse maintenance. SAGs. Specific Surface Water flolod mapping which updated
m	Park and Ride scheme includes drianage improvemnts. Culvert improvements and improved connectivity to river
	Highway drinage repaired 2018. SAGS
	Flood warning signs installed Ham Lane. Resurfaces Ham Lane. Drinage improvements Wick Road. Stichings Shord Lane culvert. Engangement with Bristol Water. WW DAP?
	Improvements to junction to at bottom of hil as part of development.
	Highway drinage improvemnts.
	Linear soakway scheme in place.
	Mill Hil scheme 2018. Communication with Parish re risks and land drinage infrstructure. Working with developers.

Green Lane, Hi Charterhouse	nton	1	2,3,4,5 NFA
A17A Brassknocker H Monkton Com	lill, De	1	2,3,4,5 NFA
Box Road and DA18A Road East, Bat and Bathford	ondon neaston	1	2,3,4,5 NFA

Scheme implemented 2017.

Scheme implemented 2014

oot Location Dri	Driver	Action	Implementation Plan	Plan Progress at April 2015	Plan Progress at May 2021	Action Owner	Action Supporter	Indicative Cost*	Priority**	Notes		
Cha	hew Magna suffers from significant flood		1. Asset inspection		1							
risk	isk. The local flood risk mechanisms are	Maintenance of drainage	2. Undertake necessary maintenance		2							
A Magna Inve to r	nvestment has been made in PLP measures o reduce the damage caused by flooding in	assets to enable effective drainage and source control.	<ol> <li>Implement a continued asset maintenance programme</li> </ol>	1	3	LLFA	Highway Mtc	Medium	High			
this	his area.		<ol> <li>Implement source control measures to reduce surface water runoff</li> </ol>		4 NFA							
A Chew inte A Magna Env exte cate	Chew Magna suffers from significant flood isk. The local flood risk mechanisms are ntegrated with main river flooding. The invironment Agency has carried out extensive fluvial flood modelling for the atchment.	Monitor and record flood incidents and continue sharing of information between B&NES and the Environment Agency	1. Monitor and record flood incidents	1	1	LLFA	EA, WW	Low	High			
D Chew Stoke Pro	Properties on Wallycourt Road have	Engineering scheme to improve capacity and	<ol> <li>Implement drainage scheme</li> <li>Add upgraded highway gullies to</li> </ol>	2	1	LLFA	Highway Mtc,	Low	High	DRAINAGE SCHEME COMPLETED 2014		
exp	experienced flooding from pluvial runoff.	conveyance route.	Special Attention maintenance list	_	2		EA			NOTE: FLOODING REPORTED MAY 21		
D Chew Stoke Mai	Silbie Close has experienced flooding from oluvial runoff. Curo (housing association managing properties) has made investment in PLP measures to reduce the damage caused	PLP to be installed	1. Curo (housing association) to install PLP for residents	1	1	Curo	LLFA	Medium	High			
by f	y flooding in this area.									INSTALLED CIRCA 2014		
west We	Vest Harptree has experienced flooding as a	Maintenance of drainage	<ol> <li>Asset inspection: is the gulley or pipework blocked</li> </ol>		1			NA P				
Harptree resu	result of blocked highway gullies.	drainage.	2. Undertake necessary maintenance	1	2	LLFA	Hignway Mtc	Medium	High			
			<ol> <li>Implement a continued asset maintenance programme</li> </ol>		3							
West	Vest Harptree has experienced flooding as a	Undertake scheme to improve	<ol> <li>Engage community on potential scheme(s).</li> </ol>		1							
BC Harptree resu	esult of surcharging surface water sewers	capacity and conveyance of	2. Implement drainage scheme.	2	2	LLFA	Highway Mtc	Highway Mtc	Highway Mtc Hig	High	High	MAJOR DRAINAGE SCHEME DELIVERED 2015
and	niu guines.	uramage system.	3. Monitor performance of new systems.		3							
Ridge Lane and We	Vest Harptree has experienced flooding as a	Undertake scheme to improve	<ol> <li>Engage community and inform how they can contribute to managing flood risk.</li> </ol>	n	1	1164	Local Flood	Low	Lligh			
Lane, West and Harptree	nd highway drains.	drainage system.	<ol> <li>Source control measures are required to Ridge Lane and Cowleaze Lane</li> </ol>	2	2	LLFA	Reps, WW	LOW	піgri	SCHEMES DELIVERED 2015 2017		
A Whitchurch	Development is planned on the fringe of Vhitchcurch.	Upgrade Surface Water sewer system for the area.	<ol> <li>Design a drainage scheme which will work within the current restrictions</li> </ol>	1	1	ww	LLFA, LPA	Low	High	SCHEME DELIVERED BY WESSEX WATER AND DEVELOPMENTS LIMITING DISCHARGE TO GREENFIELD		
						Developer		High				
GA Whitchurch (FA on t	his area is defined as a Flood Risk Area FAWMA) and Bristol LLFA is taking the lead on the Flood Risk Management Plan	Any proposed developments must consider the Flood Risk Management Plan for the area.	1. Inform developers of the Flood Risk status	1	1	LLFA	Bristol City LLFA, LPA	Low				
Eac	ast Keynsham ( $\Delta A$ ) has experienced flooding	Monitor future flood incidents	1. Monitor flooding at this location		2	-						
B Keynsham fror inte gull	rom a number of sources including fluvial nteractions, pluvial runoff and highway fulley blockage.	in this area, if flooding continues to cause disruption, upgrade works to highway drainage may be required.	<ol> <li>understand the cause of flooding</li> <li>Assess the need for upgrade works to the drainage network</li> </ol>	2	2	LLFA	Highway Mtc, EA, WW	Low	High			
West HarptreeWe resi andRidge Lane andWe resi Lane, West HarptreeWe resi andWe Cowleaze Lane, West HarptreeWe resi andWhitchurchDev WhWhitchurchThis (FA) on tageWe KeynshamEas: fror integuil	Vest Harptree has experienced flooding as a esult of surcharging surface water sewers ind gullies. Vest Harptree has experienced flooding as a esult of surcharging culverted watercourses ind highway drains. Development is planned on the fringe of Vhitchcurch. This area is defined as a Flood Risk Area FAWMA) and Bristol LLFA is taking the lead on the Flood Risk Management Plan fast Keynsham (A4) has experienced flooding rom a number of sources including fluvial interactions, pluvial runoff and highway gulley blockage.	Undertake scheme to improve capacity and conveyance of drainage system. Undertake scheme to improve capacity and conveyance of drainage system. Upgrade Surface Water sewer system for the area. Any proposed developments must consider the Flood Risk Management Plan for the area. Monitor future flood incidents in this area, if flooding continues to cause disruption, upgrade works to highway drainage may be required.	<ul> <li>scheme(s).</li> <li>Implement drainage scheme.</li> <li>Monitor performance of new systems.</li> <li>Engage community and inform how they can contribute to managing flood risk.</li> <li>Source control measures are required to Ridge Lane and Cowleaze Lane</li> <li>Design a drainage scheme which will work within the current restrictions</li> <li>Inform developers of the Flood Risk status</li> <li>Monitor flooding at this location</li> <li>Understand the cause of flooding</li> <li>Assess the need for upgrade works to the drainage network</li> </ul>	2 2 1 1 2 2	2 3 1 2 1 2 1 1 1 2	LLFA LLFA WW Developer LLFA	Highway Mtc Local Flood Reps, WW LLFA, LPA Bristol City LLFA, LPA Highway Mtc, EA, WW	High Low Low Low Low	High High High High	MAJOR DRAINAG		

		Rioomfield Road has experienced surface	Maintenance of drainage	<ol> <li>Asset inspection: is the gulley or pipework blocked</li> </ol>							
DA10B	Timsbury	water flooding, particularly as a result of	assets to enable effective	2. Undertake necessary maintenance	1		Highways Mtc		Medium	High	SCHEMES DELIVERED ALONG BLOOMFIELD ROAD 2016
		blocked highway gullies.	drainage.	3. Implement a continued asset maintenance programme							
DA11A	Midsomer Norton	Midsomer Norton has experienced flooding from a number of sources across the town.	Work with EA to better understand hydraulics and flood risk.	1. Undertake integrated hydraulic modelling	1	1	LLFA	Highway Mtc, EA, WW	High	High	EA HAVE COMPLETED THE MIDSOMER NORTON FLOOD MODEL 2021
			Manage the risk of	<ol> <li>Establish the current status of the planning applications</li> </ol>		1					
DA16A	Weston and Upper Weston	Significant areas of development are planned on the fringes of Upper Weston and Weston.	exacerbating an existing surface water problem by considering drainage at master	<ol> <li>Inform the developer of the wet-spot status</li> </ol>	1	2	LLFA		Low	High	WATER HAVE MORE TELEMETRY ON CULVERTED SYSTEM. DEVELOPMENTS MADE AWRE AND INCLUDED HIGH CAPACITY DRAINAGE.
			planning stage.	<ol><li>Design a drainage scheme which will work within the current restrictions</li></ol>			Developer		High		
DA16A	Weston Village	This is a steep catchment. There is a potential flood risk stemming from maintenance of a culverted watercourse through the village.	Undertake study of flooding issues and identify potential measures.	<ol> <li>Engage local community</li> <li>Commission study</li> <li>Identify potential improvements</li> <li>Identify funding opportunities</li> </ol>	1&2	1 2	LLFA	WW, EA	Medium		WORKS TO UPSTREAM CATHMENT INCLUDING NFM PROJECT
		Weston Road has experienced flooding. The	Maintenance of drainage	1. Asset inspection: is the gulley or pipework blocked							
DA16D	Weston Park	sources have not been well documented but includes highway gulley blockage.	assets to enable effective drainage.	<ol> <li>2. Undertake necessary maintenance</li> <li>3. Implement a continued asset</li> </ol>	3	3	LLFA		Medium	High	SCHEMES AT BOTH ENDS OF WESTON ROAD
			Continue to monitor flood	maintenance programme							MONITORING REQUIRED FOR MARLBOROUGH BUILDINGS AREA
		Bath City Centre has experienced flooding.	incidents in this area, if	<ol> <li>Monitor flooding at this location</li> <li>Understand the cause of flooding</li> </ol>		1	-	1154			
DA16G	Bath City Centre	however likely sources include fluvial, surface water / pluvial, groundwater and highway gulley blockage.	flooding continues to cause disruption, upgrade works to highway drainage may be required.	<ol> <li>Assess the need for upgrade works to the drainage network</li> </ol>	1	3	LLFA	Highways Mtc, EA, WW	Low	High	WW HAS HIGHLIGHTED BATH AS 'COMPLEX' AS PART FO THEIR DRAINAGE AND WASTEWATER MANAGEMENT PLAN
DA16G	Lower Bristol Road	Surface water flooding and highway drainage issues known. Significant development and associated river Avon flood risk improvements planned.	Ensure any development/ flood risk scheme appreciates surface water flood risk.	<ol> <li>Ensure developer is aware of surface water flooding issues (and potential interaction with river Avon).</li> </ol>	1	1	B&NES Major projects	EA, LLFA	High		
	Chew Magna	Winford Road has experienced flooding as a		<ol> <li>Asset inspection: is the culvert blocked</li> </ol>		1					
DA02B	Winford	result of pluvial runoff and blockage on a highway structure. Investment has been	The highway drainage assets require maintenance and an	<ol> <li>Maintenance of culvert</li> <li>Monitor future flooding incidents at</li> </ol>	1	2	Highways	LLFA	Medium	Medium	
	Littleton Lane	made in PLP measures to reduce the damage caused by flooding in this area.	assessment of capacity.	this location 4. Assess the need for upgrade works to the drainage patwork		4	MITC				SCHEME DELIVERED 2015
		Chew Stoke has experienced surface water flooding, particularly from pluvial runoff.	Source control measures are	<ol> <li>Engage the community and inform how they can contribute to managing flood risk</li> </ol>		1	B&NES,	Local Flood			REINFORCED BOLLARDS ON FORD
DAU2C	Chew Stoke	to reduce the damage caused by flooding in this area.	required to mitigate the flood risk in this area.	<ol> <li>Promote Wessex Water's save water scheme, providing discounts of the purchase of a water butt</li> </ol>	1	2	ww	Reps, EA	LOW	Medium	NEW THREE SIDED FLOOD GUAGE AND FORD SIGNAGE
DA03B	White Cross Farm	Bristol Road has experienced flooding from blocked gullies and drainage ditches.	Education of riparian owners on their rights and responsibility.	<ol> <li>Engage the community and inform how they can contribute to managing flood risk</li> <li>Explain the importance of</li> </ol>	1	1	B&NES	Local Flood Reps	Low	Medium	SCHEMES AND MAINTENACE 2019. LANDOWNER ENGAGEMENT
				maintenance to ditches		2					
DA11C	Clandown	Springfield Place has experienced flooding from an ordinary watercourse.	Education of riparian owners on their rights and	<ol> <li>Engage the community and inform how they can contribute to managing flood risk</li> <li>Explain the importance of</li> </ol>	1	1	B&NES	Local Flood Reps	Low	Medium	CULVERT BEING REVIEWED AS PART OF LOCAL LEVY PROJECT
		responsibilities.	anintenance to ditches								