

**Warwickshire Local Flood Risk Management Strategy  
Action Plan**

Aim		Timescale	Potential Funding Source	Partners
Measure(s)	Action(s)			
<b>Objective 1 - Develop a better understanding of local flood risk in Warwickshire to better manage flood risk to people, property, infrastructure and the natural environment</b>				
<b>1A:</b> Further develop the Surface Water Management Plan for the county to gain a better understanding of key flooding hotspots, risks and associated economic, social and environmental consequences.	<ul style="list-style-type: none"> <li>■ Undertake further assessment of surface water flood risk in key risk hotspots with detailed hydraulic modelling where appropriate.</li> <li>■ Identification of areas where targeted maintenance and improvements to watercourses and drainage systems are required.</li> <li>■ Prepare a Strategic Flood Map to present the SWMP results.</li> <li>■ Communicate results of the SWMP with Local Authority planners to assist them in assessing flood risk in planning applications.</li> </ul>	2017	WCC LLFA	LAs, STW
<b>1B:</b> Work with partners to investigate locally significant flooding incidents and identify sources, pathways and receptors of flooding.	<ul style="list-style-type: none"> <li>■ Undertake flood investigations.</li> <li>■ Test and validate approach to prioritisation of flood investigations.</li> <li>■ Test and review thresholds for when WCC will undertake Section 19 flood investigations.</li> <li>■ Publish the results of flood investigations on the WCC website and to notify relevant risk management authorities of the outcomes.</li> </ul>	Ongoing	WCC LLFA	LAs, STW, EA
<b>1C:</b> Further develop and continue to maintain a register of flood risk management assets with a record of the significant structures with respect to flood risk.	<ul style="list-style-type: none"> <li>■ Develop a record of each structure, together with details of ownership, state of repair, and where appropriate, the designation of such structures or features which may affect flood risk.</li> <li>■ Develop a procedure for the periodic review and update of the asset register.</li> </ul>	Ongoing	WCC LLFA	STW, EA, LAs
<b>1D:</b> Review the Preliminary Flood Risk Assessment as required by the EU Floods Directive and Flood Risk Regulations (2009) and contribute to the other requirements.	<ul style="list-style-type: none"> <li>■ Complete review of the Warwickshire PFRA by June 2017.</li> </ul>	June 2017	WCC LLFA	LAs, STW

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<b>Objective 2 - Seek to reduce local flood risk in Warwickshire in an economically, socially and environmentally sustainable way.</b>				
<b>2A:</b> The actions of the emerging SWMP to be progressed, and where suitable flood risk management schemes are identified and funding to be sought.	<ul style="list-style-type: none"> <li>■ Develop a prioritised list of potential local flood risk management capital schemes to be taken forward for detailed analysis and development of options to reduce flood risk</li> <li>■ Develop a supporting Investment Strategy for each of the sites on the prioritised list.</li> <li>■ Develop business cases for potential capital schemes.</li> </ul>	2017	FCERM GiA, Local Levy, LA & WCC Contributions, other specific funds.	LAs, STW
<b>2B:</b> WCC to work with partners to encourage flood management and maintenance activities by riparian landowners on ordinary watercourses, and flood defence and drainage structures as well as limiting the development of constrictions on ordinary watercourses through consenting and, if necessary, enforcement.	<ul style="list-style-type: none"> <li>■ Produce a leaflet for riparian landowners regarding their rights and responsibilities with respect to ditches, watercourses, culverts and hedges.</li> <li>■ WCC as the LLFA will work with Natural England to produce a leaflet for riparian landowners residing in the Natural England River Mease Catchment Risk Zone regarding their rights and responsibilities with respect to ditches, watercourses, culverts and hedges.</li> <li>■ Ensure all work undertaken is in line with the requirements of the Water Framework Directive, and in compliance with the recommendations of the River Basin Management Plan</li> <li>■ Continue to consent work to ordinary watercourses.</li> <li>■ Undertaken enforcement to remove unapproved constrictions on ordinary watercourses.</li> </ul>	Ongoing	Riparian Owner Contributions	Riparian Owners, LAs
<b>2C:</b> WCC to work collaboratively with partners, including those in the Warwickshire Strategic Flood Forum (WSFF), to encourage flood schemes	<ul style="list-style-type: none"> <li>■ Make use of County Council funds to provide partnership contributions to flood alleviation schemes on a prioritised basis considering economic benefits.</li> </ul>	Ongoing	Riparian Owner Contributions FCERM GiA,	EA, LAs, third sector partners

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<p>by third parties, riparian landowners and stakeholders and to ensure that Natura 2000 sites and Sites of Special Scientific Interest (SSSIs) are not adversely affected by flood risk management activities.</p>	<ul style="list-style-type: none"> <li>■ Provide technical advice to third parties, riparian landowners and stakeholders.</li> <li>■ Seek opportunities for de-culverting of watercourses wherever possible.</li> <li>■ Wherever reasonably practicable prevent flood related plans or projects that will have an adverse effect on the integrity of a qualifying feature of a Natura 2000 site to be taken forward.</li> <li>■ All WCC flood related plans or projects proposed within the 1:200 year surface water flood risk zone around Ensor's Pool SAC or within the Natural England River Mease Catchment Risk Zone will be screened separately for HRA unless those works are part of wider plans or projects for which a full HRA has already been undertaken.</li> </ul>		<p>Local Levy, LA &amp; WCC Contributions, other specific funds.</p>	
<p><b>2D:</b> To lead on the implementation of local flood risk management schemes and to work with partners to best utilise funding streams through a prioritised risk-based approach and through promoting schemes with the most multiple benefits.</p>	<ul style="list-style-type: none"> <li>■ Make use of funding from County Council to provide partnership contributions to flood alleviation schemes on a prioritised basis considering economic benefits.</li> <li>■ Identify and seek to implement schemes with the most multiple benefits beyond flood risk management including environmental enhancements, meeting WFD objectives and facilitating economic development and regeneration.</li> </ul>	<p>Ongoing</p>	<p>FCERM GiA, Local Levy, LA Contributions, WCC Contributions.</p>	<p>LAs, STW, EA, third sector partners</p>

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2E: To ensure environmentally sustainable solutions will be fully considered in WCC led and in all other flood risk management measures, using a catchment based approach where applicable.	<ul style="list-style-type: none"> <li>■ Explore the potential for use of environmentally sustainable solutions in all WCC led flood risk management schemes.</li> <li>■ Undertake a feasibility study to seek opportunities for implementation of natural catchment management techniques.</li> </ul>	Ongoing  2018	FCERM GiA, Local Levy, LA Contributions, WCC Contributions.	LAs, STW, EA, third sector partners
2F: Aim to ensure a no net loss of biodiversity, particularly at Local Wildlife Sites, and where possible look to provide a net gain through habitat creation and enhancement, contributing to wider environmental objectives.	<ul style="list-style-type: none"> <li>■ To conform to Warwickshire County Council's remit under the 'biodiversity duty', particularly at Local Wildlife Sites, as per Section 40 of the Natural Environment and Rural Communities Act 2006 and the Warwickshire, Coventry and Solihull Green Infrastructure Strategy.</li> </ul>	Ongoing	FCERM GiA, Local Levy, LA Contributions, WCC Contributions	LAs, STW, EA, third sector partners
2G: To ensure no deterioration in WFD waterbody status as a result of flood risk management activities, and where possible look to enhance status through implementation of the recommendations of the River Basin Management Plans.	<ul style="list-style-type: none"> <li>■ Ensure WFD assessments are undertaken where required for all local flood risk management schemes.</li> <li>■ Actively seek inclusion of measures to enhance WFD waterbody status in all new local flood risk management schemes.</li> </ul>	Ongoing	FCERM GiA, Local Levy, LA Contributions, WCC Contributions	LAs, STW, EA, third sector partners

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<b>Objective 3 - Adopt a collaborative approach to local flood risk management</b>				
3A: To continue to develop the Warwickshire Strategic Flood Forum (WSFF) and relations with other partners.	<ul style="list-style-type: none"> <li>■ Develop tactical groups for north and south Warwickshire to allow the WSFF to focus more on local issues.</li> <li>■ Appoint a community representative to the WSFF.</li> </ul>	2016  2017	WCC LLFA and other partner's budgets	LAs, EA, STW, Parish and Town Councils
3B: To share knowledge and training opportunities with partners.	<ul style="list-style-type: none"> <li>■ Continue to participate in national and regional LLFA best practice sharing groups.</li> <li>■ Continue to work with partners in taking advantage of training opportunities, realising economies of scale.</li> <li>■ Continue to offer training to partners where appropriate.</li> </ul>	Ongoing	WCC LLFA	LAs, EA
3C: Continue to work with and support community flood action groups, Town and Parish Councils and other community groups.	<ul style="list-style-type: none"> <li>■ Attend flood action group meetings to support their work.</li> <li>■ Provide technical advice and guidance to flood action groups.</li> </ul>	Ongoing	WCC LLFA	LAs, EA, Town and Parish Councils
3D: Continue to engage local communities building on the progress made by the Community Flood Resilience Pathfinder Project.	<ul style="list-style-type: none"> <li>■ Promote the formation of new flood action groups where appropriate.</li> <li>■ Develop a network of flood action groups for Warwickshire.</li> </ul>	Ongoing  2018	WCC LLFA	LAs, Town and Parish Councils
3E: To work with neighbouring Lead Local Flood Authorities to ensure a catchment-based approach to local flood risk management.	<ul style="list-style-type: none"> <li>■ Attend regional partnership meetings with other LLFAs</li> </ul>	Ongoing	WCC LLFA	Other LLFAs

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<b>Objective 4 - Promote community preparedness and resilience to local flood risk</b>				
4A: To work with partners to reduce the impacts of flooding by enabling an efficient response to, and recovery from, flooding incidents by partners and stakeholders.	<ul style="list-style-type: none"> <li>■ Engage on updates to the Warwickshire Multi-Agency Flood Plan.</li> <li>■ Develop a countywide plan for flood recovery for householders and businesses as part of the ongoing Warwickshire Flood Resilience Community Pathfinder project.</li> </ul>	Ongoing  2017	WCC LLFA	CSWRT
4B: To work with partners to reduce the harmful consequences of local flooding to communities and human health through pro-active actions, community activities and education programmes that enhance preparedness and resilience to local flood risk, thereby promoting community cohesion and minimising community disruption.	<ul style="list-style-type: none"> <li>■ Attend community led engagement and education meetings.</li> <li>■ Develop a network of flood action groups for Warwickshire.</li> <li>■ To assist the training and support for flood wardens and flood champions through involvement in the Warwickshire Flood Action Group network.</li> </ul>	Ongoing  2018  Ongoing	WCC LLFA	LAs, CSWRT
4C: Continue the work of the Warwickshire Flood Resilience Community Pathfinder project in supporting local groups to increase the resilience of their communities to flooding.	<ul style="list-style-type: none"> <li>■ Promote the establishment of flood groups where there are no existing local groups.</li> <li>■ To ensure local emergency action plans are joined up between flood action groups, town councils and parish councils.</li> </ul>	Ongoing  Ongoing	WCC LLFA	LAs, Local Communities, Town and Parish Councils
4D: Continue to work with partners to improve communications and advice given during flooding events.	<ul style="list-style-type: none"> <li>■ Improve County Council flood call management procedures.</li> <li>■ Enhance the Warwickshire County Council website to give clear guidance on whom to contact to report a flooding event.</li> </ul>	2016  2016	WCC LLFA	CSWRT, LAs, EA

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4E: To work with partners to establish a co-ordinated approach to the provision of temporary flood risk management measures.	<ul style="list-style-type: none"> <li>■ Develop a county wide sandbag policy to ensure consistent provision across the county.</li> <li>■ Explore the opportunities to promote the use of alternative temporary flood risk management techniques to sandbags.</li> </ul>	2017  Ongoing	WCC LLFA	CSWRT, LAs

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<b>Objective 5 - Enable planning decisions to take full account of local flood risk and seek to reduce local flood risk through development</b>				
5A: To work with partners to produce local policies and guidance and set standards to promote a positive impact on flood risk from new development, and to prevent any increase in flood risk, including the possible impacts of climate change.	<ul style="list-style-type: none"> <li>■ Engage where possible with developers at the earliest possible point in the planning process for major developments.</li> <li>■ Respond to strategic planning consultations including Local Plans and planning policy documents.</li> <li>■ Develop local SuDS standards; including requiring for brownfield sites a minimum of 30% betterment on runoff rates and an aspiration to achieve Greenfield runoff rates.</li> </ul>	Ongoing  Ongoing	WCC LLFA	LAs
5B: To maximise opportunities for contributions towards existing and proposed flood risk management from new development to address local flood risk.	<ul style="list-style-type: none"> <li>■ Explore the possibility for the use of Section 106 agreements and Community Infrastructure Levy with Local Planning Authorities.</li> </ul>	Ongoing	WCC LLFA	LAs
5C: Develop byelaws where beneficial to control development	<ul style="list-style-type: none"> <li>■ Develop byelaws to control development in the vicinity of ordinary watercourses, specifically requiring a 6 metre maintenance strip either side of an ordinary watercourse.</li> </ul>	2017	WCC LLFA	LAs
5D: Work with relevant partners to promote SuDS measures for new developments through the LLFA's role as a statutory consultee on major planning applications.	<ul style="list-style-type: none"> <li>■ Respond to local planning authorities on 80% of major planning application consultations within 21 days.</li> </ul>	2016	WCC LLFA	LAs