
APPENDIX A: DRAFT LFRMS ACTION PLAN

Nottinghamshire County Council Local Flood Risk Management Strategy Action Plan - Draft for consultation

Version: 3.0
 Revision Date: 2nd July 2015
 Next Review Date: 1st December 2015



Objective	Measure	Actions	Delivery		Programme				Funding		Priority	Comments		
			Lead	Partners	Start	Finish	Review	Status	Est. Cost (£)	Source			Status	
1	1.1 Develop a robust approach to the prioritisation of schemes to manage flood risk	1.1.1 Identify areas at greatest risk from local flood sources making use of best available information and develop a resource prioritisation tool.	NCC	DCs, STW, EA	2015-2016	2016-2017	Mar-16	In Progress	<£5000	Internal (Other)	To be confirmed	High		
		1.1.2 Identify where more disadvantaged areas overlap with highest risk from flooding	NCC	DCs	2014-2015	2015-2016	Dec-15	In Progress	<£5000	Internal (Other)	To be confirmed	Moderate		
		1.1.3 Ensure records from flooding in 2013 and 2014 are documented to help prioritise management	NCC	DCs & EA	2014-2015	2015-2016	Dec-15	In Progress	<£5000	Area Based Grant	To be confirmed	High		
		1.1.4 Develop a mechanism for better information sharing about flooding	NCC	DCs, IDBs, EA	2015-2016	2016-2017	Jun-16	Not Started	<£5000	Area Based Grant	To be confirmed	Low		
		1.1.5 Identify requirement for Surface Water Management Plans in hotspot areas	NCC	DCs, EA, parishes	2015-2016	2017-2018	Jun-16	Not Started	<£5000	Area Based Grant	To be confirmed	Moderate		
		1.1.6 Develop a 'pipeline' of scheme ideas to address risk in flood hotspots	NCC		2015-2016	2021 onwards	Dec-15	In Progress	<£5000	Area Based Grant	To be confirmed	Moderate		
	1.2 Seek external funding opportunities whenever possible	1.2.1 Ensure core expertise in Flood Management and Drainage Design is maintained within the Council to provide both project support to Highways, Education, Mineral and Waste sectors and bidding for external funds.	NCC		2014-2015	2021 onwards	Mar-16	In Progress	£25,000 - 50,000	Area Based Grant	To be confirmed	High		
		1.2.2 Allocate officer to regularly review funding sources and collaborative projects	NCC		2015-2016	2021 onwards	Dec-15	Not Started	<£5000	Area Based Grant	To be confirmed	Moderate		
		1.2.3 Ensure local flood evidence is collated and shared with all decision makers in local RMAs	NCC		2015-2016	2021 onwards	Dec-15	Not Started	<£5000	Area Based Grant	To be confirmed	Moderate		
	1.3 Collaborate with local stakeholders to achieve common goals	1.3.1 Pursue partnerships as defined in Objective 3	NCC										Moderate	
		1.3.2 Identify schemes which maximise the common benefits and regularly review	NCC		2015-2016	2021 onwards	Jun-16	Not Started	<£5000	Internal (Other)	To be confirmed	Low		
		1.3.3 Maintain regular liaison with local RMAs to monitor progress of their investment programmes and assess effectiveness	NCC	STW, IDBs, EA	2015-2016	2021 onwards	Mar-16	Not Started	<£5000	Internal (Other)	To be confirmed	Moderate		
		1.3.4 Identify where the County can contribute to the Day Brook Catchment flood alleviation project	NCIC, EA	GBC, STW, NCC	2015-2016	2017-2018	Dec-15	Not Started	£5000 - £25,000	Area Based Grant	To be confirmed	Moderate		
	1.4 Progress capital schemes identified for flood alleviation	1.4.1 Implement recommendations from the Hucknall Flood Investigation	NCC		2014-2015	2016-2017	Jun-16	In Progress	<£5000	Area Based Grant	To be confirmed	Moderate		
		1.4.2 Commence Hucknall Town Centre FAS	NCC	ADC, STW	2014-2015	2015-2016	Jun-16	In Progress	£100k - £500k	FCERM GiA	Allocated	High		
		1.4.3 Implement recommendations from the Southwell Section 19 investigation report	NCC		2014-2015	2016-2017	Jun-16	In Progress	<£5000	Area Based Grant	To be confirmed	Moderate		
		1.4.4 Commence Southwell FAS	NCC, NSDC		2014-2015	2015-2016	Mar-16	In Progress	>£1m	FCERM GiA	Allocated	High		
		1.4.5 Maintain regular overview of IDB planned works to watercourses and pumping stations	NCC	IDBs	2015-2016	2015-2016	Mar-16	Not Started	<£5000	Area Based Grant	To be confirmed	Moderate		
	1.5 Ensure flood management actions will be adaptable and responsive to future changes in the climate	1.5.1 Identify actions for Nottinghamshire following publication of the East Midlands climate change report	NCC	EA	2015-2016	2016-2017	Sep-16	Not Started	<£5000	Internal (Other)	To be confirmed	Low		
		1.5.2 Ensure modelled future flood scenarios are incorporated into design and planning requirements through policy.	DCs	NCC	2014-2015	2021 onwards	Sep-16	In Progress	<£5000	Area Based Grant	To be confirmed	Moderate		
1.5.3 Identify higher risk areas under climate change scenarios for people and the environment		NCC	EA, IDBs	2015-2016	2021 onwards	Mar-16	Not Started	£5000 - £25,000	Area Based Grant	To be confirmed	Moderate	action from East Midlands Council report		
2	2.1 Ensure effective coordination between LRF, emergency planning and highways management / land drainage	2.1.1 Jointly promote community resilience and business continuity measures	NCC & LRF		2014-2015	2021 onwards	Mar-16	In Progress	<£5000	Area Based Grant	To be confirmed	Low		
		2.1.2 Establish a communications plan across internal teams in the event of a flood emergency, ensuring resilience to organisational changes	NCC & LRF		2015-2016	2021 onwards	Dec-15	In Progress	<£5000	Internal (Other)	To be confirmed	Moderate		
	2.2 Improve sources and avenues of information dissemination to the public	2.2.1 Work in partnership across council functions to identify new community contacts	NCC	DCs, parish councils	2015-2016	2021 onwards	Mar-16	Not Started	<£5000	Internal (Other)	To be confirmed	Low		
		2.2.2 Identify ways to improve communications with hard to reach communities	NCC, DCs		2015-2016	2021 onwards	Jun-16	Not Started	<£5000	Internal (Other)	To be confirmed	Moderate		
		2.2.3 Develop winter preparedness leaflet to help people understand how they can manage their own risk	NCC	DCs	2015-2016	2016-2017	Jun-16	Not Started	<£5000	Area Based Grant	To be confirmed	Low		
		2.3.1 Improve information provision on property level protection	NCC	DCs	2015-2016	2021 onwards	Jun-16	Not Started	<£5000	Area Based Grant	To be confirmed	Low		
		2.3.2 Encourage sign up to flood warnings and weather information	NCC		2015-2016	2021 onwards	Mar-16	Not Started	<£5000	Area Based Grant	To be confirmed	Low		
	2.3 Encourage people to manage their own risk	2.3.3 Establish local community flood wardens to monitor local risk spots working with EA Flood Resilience Team	NCC, EA	DCs	2014-2015	2021 onwards	Jun-16	In Progress	<£5000	Area Based Grant	To be confirmed	Moderate		
		2.3.4 Encourage development of community flood plans in high risk areas	NCC, DCs		2016-2017	2021 onwards	Dec-16	Not Started	<£5000	Internal (Other)	To be confirmed	Low		
		2.3.5 Continue to communicate riparian ownership responsibilities with residents and landowners and the interaction with highways assets	NCC	DCs, IDBs	2015-2016		Dec-15	In Progress	<£5000	Area Based Grant	To be confirmed	Moderate		
		2.3.6 Identify need for community resilience stores	NCC	DCs	2014-2015	2021 onwards	Dec-15	In Progress	<£5000	Internal (Maintenance)	To be confirmed	Moderate		
	2.4 Develop more online tools and investigate new uses of social media	2.4.1 Improve online tools for flood reporting and investigate ways to capture data from submitted photos	NCC		2016-2017	2018-2019	Jun-16	Not Started	<£5000	Multiple	To be confirmed	Low		
		2.4.2 Ensure website contains up to date links and information from latest studies and schemes	NCC		2015-2016	2021 onwards	Mar-16	Not Started	<£5000	Area Based Grant	To be confirmed	Moderate		

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3 To improve delivery of flood risk management by working in partnership across functions and organisations, taking a catchment based approach	3.1 Take an active role in local flood risk management partnerships	3.1.1 Direct and lead on local flood issues within the regular meetings of the local flood risk management group.	NCC	DCs, IDBs, EA	2014-2015	2021 onwards	Mar-16	In Progress	<£5000	Area Based Grant	Allocated	Moderate	
		3.1.2 Ensure the aims of this strategy are showcased within the Humber Flood Risk Management Plan	NCC	EA & IDBs	2014-2015	2021 onwards	Mar-16	In Progress	<£5000	Area Based Grant	To be confirmed	Moderate	
		3.1.3 Support local planning authorities in delivering flood risk management through Local Plans and planning applications	NCC	DCs	2014-2015	2021 onwards	Jun-16	In Progress	<£5000	Area Based Grant	To be confirmed	Moderate	
		3.1.4 Identify opportunities to work with Nottingham City Council to take advantage of mutual benefits	NCC & NCiC		2014-2015	2021 onwards	Dec-15	In Progress	<£5000	Area Based Grant	To be confirmed	Low	
		3.1.5 Develop co-operative links with all neighbouring LLFAs to share good practice	NCC		2014-2015	2021 onwards	Sep-16	In Progress	<£5000	Area Based Grant	To be confirmed	Moderate	
		3.1.6 Maintain linkages with the Sherwood and River Idle catchment partnerships	NCC	NWT	2014-2015	2021 onwards	Mar-16	In Progress	<£5000	Area Based Grant	To be confirmed	Low	
		3.1.7 Identify opportunities to connect with flood forums and local interest groups	NCC		2014-2015	2021 onwards	Mar-16	Community Engagement	<£5000	Multiple	To be confirmed	Moderate	
	3.2 Continue to develop our understanding of groundwater risks in Nottinghamshire	3.2.1 Build our understanding of the future risks from groundwater rising in former mines and other industrial sites	NCC, EA		2014-2015	2016-2017	Mar-16	In Progress	£5000-£25000	Area Based Grant	To be confirmed	Low	
		3.2.2 Establish improved monitoring and recording of groundwater flood incidents	NCC, DCs, EA		2016-2017	2021 onwards	Dec-16	Not Started	£5000-£25000	Area Based Grant	To be confirmed	Low	
	3.3 Maintain effective linkages with the Isle of Axholme Flood Risk Management Strategy	3.3.1 Identify where works to ordinary watercourses may impact flood risk in Nottinghamshire.	IDBs, EA	NCC	2014-2015	2021 onwards	Mar-16	In Progress	<£5000	Area Based Grant	To be confirmed	High	
		3.3.2 Proactively develop a catchment wide strategy for identifying opportunities for flood risk reduction	EA	BDC, NCC, IDB	2015-2016	2016-2017	Mar-16	Not Started	<£5000	Multiple	To be confirmed	Low	
	3.4 Pursue joint initiatives with Severn Trent Water ,IDBs and the EA	3.4.1 Communicate with STW on a County scale to ensure consistent approach to flood investigations and mitigation.	NCC, STW/	IDB's,EA, NCiC	2014-2015	2021 onwards	Jun-16	In Progress	<£5000	Area Based Grant	To be confirmed	Moderate	
		3.4.2 Establish an agreed joint approach to cross boundary catchment investigations (e.g. templates and process)	NCC	All RMA's	2015-2016	2016-2017	Jun-16	Not Started	<£5000	Area Based Grant	To be confirmed	Moderate	
	3.5 Maintain and improve communications with farmers and landowners in rural areas to pursue multi-beneficial schemes	3.5.1 Identify contacts within landowner groups to both seek opinions of and disseminate information to the farming community	NCC, EA		2015-2016	2021 onwards	Mar-16	Not Started	<£5000	Internal (Other)	To be confirmed	Low	
		3.5.2 Build on work with landowners progressed through the Sherwood and River Idle Catchment partnerships	NCC	NWT, EA	2015-2016	2018-2019	Dec-15	Not Started	<£5000	Area Based Grant	To be confirmed	Low	
3.6 Identify joint benefits of highways and transport schemes	3.6.1 Identify how flood management can be integrated with road improvement schemes	NCC , HA?		2014-2015	2021 onwards	Jun-16	In Progress	<£5000	Internal (Maintenance)	To be confirmed	Moderate		
	3.6.2 Communicate regularly with the EA about their involvement with highway schemes	NCC, EA		2014-2015	2021 onwards	Dec-15	In Progress	<£5000	Internal (Maintenance)	To be confirmed	Moderate		
	3.6.3 Identify how flood management can be integrated with tramway or other infrastructure improvements	NCC		2014-2015	2021 onwards	Mar-16	In Progress	<£5000	Area Based Grant	To be confirmed	Moderate		
4 To integrate local flood risk management into the planning process and support sustainable growth	4.1 Encourage and promote the use of SuDS in all new developments and retrofit SuDS wherever possible	4.1.1 Work with district councils to implement SuDS specific policy within their Local Plans	NCC	DCs	2015-2016	2016-2017	Dec-15	Not Started	<£5000	Defra SuDS	To be confirmed	High	
		4.1.2 Develop and formalise consultee role of County Council in supporting drainage elements of planning applications	NCC	DCs	2015-2016	2015-2016	Dec-15	Not Started	<£5000	Defra SuDS	To be confirmed	High	
		4.1.3 Promote and develop exemplar schemes to help developers with examples of costs and opportunities for SuDS	NCC	DCs	2015-2016	2018-2019	Sep-16	Not Started	£5000-£25000	Multiple	To be confirmed	Moderate	
		4.1.4 Promote links to NWT advice document about how planning can contribute to WFD objectives	NCC	NWT	2015-2016	2015-2016	Dec-15	Not Started	<£5000	Area Based Grant	To be confirmed	Low	
		4.1.5 Investigate opportunities to use old colliery yards and spoil tips to provide SuDS for new development	NCC	EA, DCs	2014-2015	2017-2018	Mar-16	In Progress	£5000-£25000	Area Based Grant	To be confirmed	Moderate	Gedling and Cotgrave sites already in use
	4.2 Ensure as far as practical, local planning authorities take full account of flood risk in Local Plan policies and allocations, planning applications and supplementary planning documents	4.2.1 Ensure that Strategic Flood Risk Assessments consider the impact of surface water and information set out in the Nottinghamshire PFRA, and the LFRMS	DCs	NCC	2014-2015	2021 onwards	Dec-15	In Progress	<£5000	Internal (Other)	Allocated	Moderate	
		4.2.2 Respond to consultations on draft policies in Local Plans on flood risk.	NCC		2014-2015	2021 onwards	Jun-16	In Progress	<£5000	Area Based Grant	To be confirmed	Low	
		4.2.3 Work with LLFAs to ensure maximum benefits through drainage in planning applications	DCs	NCC	2015-2016	2021 onwards	Mar-16	Not Started	<£5000	Defra SuDS	To be confirmed	Moderate	
	4.2.4 Respond to consultations on draft proposals in Supplementary Planning Documents where flood risk can be minimised or reduced	NCC		2014-2015	2021 onwards	Sep-16	In Progress	<£5000	Internal (Other)	To be confirmed	Moderate		
	4.3 Maximise opportunities to integrate flood management with other county functions	4.3.1 Ensure consideration of flood risk in minerals and waste planning	NCC		2014-2015	2021 onwards	Jun-16	In Progress	<£5000	Internal (Other)	Allocated	Low	
4.3.2 Integrate surface water management with regular highways upgrades and works programmes		NCC		2015-2016	2021 onwards	Mar-16	Not Started	<£5000	Internal (Maintenance)	To be confirmed	High		
4.4 Develop a better understanding of drainage maintenance requirements on public property	4.4.1 Work with schools to address drainage maintenance and potential use of SuDS	NCC		2014-2015	2021 onwards	Dec-15	In Progress	<£5000	Internal (Maintenance)	Allocated	Moderate	already working with some schools	
5 To consider the environmental impact of proposed flood risk management measures, maximise opportunities to contribute to the sustainable management of our	5.1 Improve connections between blue and green infrastructure management	5.1.1 Improve internal communications between ecology, heritage, land drainage, parks, property & flood risk managers.	NCC flood risk team		2015-2016	2016-2017	Jun-16	Not Started	<£5000	Internal (Other)	To be confirmed	Low	
		5.1.2 Include ecology / heritage representatives in local flood risk management group meetings	NCC		2015-2016	2015-2016	Dec-15	Not Started	<£5000	Internal (Other)	To be confirmed	Low	
		5.1.3 Explore routes for biodiversity enhancement through flood management	NCC ecology	NE, EA	2016-2017	2018-2019	Sep-16	In Progress	<£5000	Area Based Grant	To be confirmed	Moderate	
		5.1.4 Liaise with the Environment Agency about how flood management can contribute to water framework directive objectives	NCC, EA	IDBs, STW	2014-2015	2021 onwards	Mar-16	In Progress	<£5000	Area Based Grant	To be confirmed	Moderate	

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cultural heritage and landscape and deliver environmental benefits	5.2	Identify improvements for existing and planned scheme development	5.2.1	Work towards incorporating best practice sustainability targets such as BREEAM / CEEQUAL assessments within project requirements	NCC		2015-2016	2017-2018	Mar-16	Not Started	<£5000	Area Based Grant	To be confirmed	Moderate	
			5.2.2	Identify whether any heritage assets are at risk of flooding and could benefit from existing planned schemes.	NCC heritage		2014-2015	2021 onwards	Jun-16	In Progress	<£5000	Internal (Other)	To be confirmed	Low	
	5.3	Investigate how we can 'make space for water' in Nottinghamshire	5.3.1	Understand the volumes of water which would need to be stored in extreme flood events.	NCC		2015-2016	2018-2019	Sep-16	In Progress	£25,000 - 50,000	FCERM GiA	To be confirmed	Moderate	
			5.3.2	Identify high level locations for flood storage and the positive and negative consequences of utilising them	NCC,	DCs, EA	2017-2018	2018-2019	Dec-16	Not Started	£5000-£25000	FCERM GiA	To be confirmed	Low	
			5.3.3	Improve our understanding of wider social, economic and environmental impacts of flood storage in open spaces.	NCC	NFU, EA, NWT	2017-2018	2018-2019	Dec-16	Not Started	£5000-£25000	Multiple	To be confirmed	Low	