

Appendix 3 Local Flood Risk Management Strategy Objectives and Measures

	Objectives	Measures	Driver	Actions	Timescale	Cost	Funding
1	Develop knowledge and awareness of different flood risks, and roles and responsibilities in managing flooding.	1. Increase the information available to the public on risk management authorities and other bodies' roles and responsibilities.	FWMA	Information to be contained within the Strategy about the roles and responsibilities. The Flood Risk Management Portfolio of documents is available on the Hillingdon website.	Short	Officer Resources	Defra flood risk grant to Council utilised in funding internal officer resources
			Community	Information contained on the Council website about roles and responsibilities.			
		2. Develop community awareness of the risks of flooding.	Community	Provide clearer information on the risks of flooding on a community basis.	Short	Officer Resources	Defra flood risk grant utilised in funding internal officer resources
				Provide clearer information to the public about what the Council will and won't be able to do in a flood event, such as the provision of sandbags.			
Provide information on the existing protection provided by Flood alleviation measures.							
2	Maintain and improve communication and cooperative working between RMA and LLFA and the public.	1. Comply with the terms of reference for the North West London Flood Risk Strategic Partnership arrangements.	FWMA	Continue to be an active participant within the NWLFRP and recognise that there are other LLFA outside this group, which Hillingdon also need to engage with. The partnership (established as part of the SWMP document develop to deliver long term partnership working across London) enables an understanding of flood risk across the region, an opportunity to discuss proposed actions, opportunities for operational efficiency, and solving cross boundary issues and the sharing of best practice management procedures and legislative changes.	Ongoing	Officer Resources	Defra flood risk grant utilised in funding internal officer resources

		<p>2. The Council through its Flood Risk Strategy must promote a sustainable approach to flood risk management (balancing Social, Economic and Environmental Needs).</p>	<p>FWMA/ WFD and RBMP</p>	<p>To continue working with environmental and social groups such as the Colne and Crane Catchment partnerships, and the Canals Partnership. The partnerships enable the identification of projects which have mutually beneficial outcomes and ensure that plans for flood risk reduction do not compromise aims to improve the environment, as set out in the Water Framework Directive, the Thames River Basin Management Plan and the Catchment Plans for the Colne and Crane.</p>	<p>Ongoing</p>	<p>Officer Resources</p>	<p>Defra flood risk grant utilised in funding internal officer resources</p>
	<p>Identify and map further opportunities for flood risk improvements such as deculverting, which will provide multiple benefits, and encourage the increased value of these assets to the community.</p>						
	<p>Crane Valley Partnership aims to <i>‘understand the distribution of non-native species and control them’</i> have mutual benefits in reducing potential likely blockages from plants such as floating pennywort.</p>						
	<p>Where the implementation of SuDs is required to reduce the rapid response of our rivers from surface water run off to also ensure these provide water quality improvements to reduce rubbish and diffuse pollution collected from roads and drives entering our rivers rom causing additional blockages.</p>						
	<p>Community</p> <p>To provide more information to the community about planned projects so that residents are engaged in any future flood risk management plans.</p>						

			Public Health	<p>Flooding can have an impact on public health. To work with services which are now required to deliver “Better Environment Better Health” See GLA Website for opportunities to encourage a higher value to be placed on the waterways within Hillingdon through improved access and opportunities linked with health.</p> <p>Promote the need to manage foul water from houses and ensure the number of missconnections are reduced</p>			
3	Development in Hillingdon understands and takes account of flood risk issues and plans to reduce flood risk.	1. Influence the local plan and creation of suitable policies on flood risk.	FWMA	Review policies in the Local Plan Part 2 to ensure they meet current legislative requirements, and the aims of the NPPF in seeking positive improvements in the quality of the built, natural and historic environment, as well as in people’s quality of life.	Completed	Officer Resources	DEFRA Added burden grant for SuDs
		2. Secure contribution to flood risk reduction from new developments.	Local Strategy	Identify key opportunities for flood alleviation schemes.	Ongoing	Officer Resources	
		3 Major landowners to develop site wide long term plans for managing water.	Local Strategy	Major landowners, such as Heathrow, are required to develop long term flood risk management plans. These should include long term monitoring to understand the risks, and plan for a full understanding of the impact of the development on the water cycle. In this way, they can inform piecemeal redevelopment so it can contribute to reducing flood risk and impacts on the environment.	Ongoing	Landowner Resources	
		4. Continue influencing developments through the planning process to ensure they meet	FWMA	Ensure Council led projects consider flood risk reduction through consideration of implementation of sustainable drainage.	Ongoing	Officer Resources	

		the requirements of National Standards for Sustainable Drainage and London Plan requirements.	FWMA	Highways Authority as a risk management authority to have regard for the flood risk strategy.			
			FWMA / SWMP	Continue with statutory requirements and also prioritising minor developments in critical drainage areas.			
4	Identify and implement new flood risk management measures.	1. For significant issues, continue to identify, prioritise and secure funding for flood risk management schemes in accordance with the process set out in the SWMP Part 2 Action Plan.	Community	Review SWMP Action Plan to update with more recent information on areas at risk and areas that have flooded	Ongoing	Officer Resources to develop schemes to apply for funding	Defra flood risk grant utilised in funding internal officer resources/ various external and internal funding streams
				Create maps of where Risk Management Authorities are undertaking works to alleviate flooding.			
			SWMP Tier 2 Project	Review significant areas, such as 'Critical Drainage Areas', so that the whole area contributing to flood risk is highlighted for action.			
5	Promote the effective management of flood risk assets.	1. Continue to update the Asset Record and Register for the Council, informed by investigations.	Community	Increase the information available to residents about existing flood assets, who is responsible for them, and, if possible, how they are maintained. This can feed into emergency action plans and allow residents to respond to insurance queries to reduce their premiums.	Ongoing	Officer Resources	ICT/ Defra flood risk grant utilised in funding internal officer resources
		2. Designate Flood Risk Assets where appropriate.	FWMA	Develop a clear process for defining the assets which may need to be designated and a process for doing this, to ensure the appropriate management of those assets.	Long	ICT changes and Officer Resources	
		3. Consent works to Ordinary watercourses to	FWMA	Procedure developed based on EA consenting regime. Need to integrate this within the current IT programmes utilised by Council Services for business continuity purposes.	Ongoing	Officer Resources	

		secure appropriate flow of those watercourses.					
		4. Build a complete understanding of flood risk assets across the Council services.	FWMA	Systems for asset management recording to include ability to hold flood risk information.	Medium	ICT	ICT
Lifetime costs of assets are understood and can be taken into account within any management plan.				Medium	Property	ICT	
Investigate the value of existing flood defences and review their long term maintenance costs against benefits. A number of assets are quite old, and will come to the end of their life soon. Their benefit will have to be considered carefully against the long term costs of maintenance.				Ongoing	Officer Resources	Defra flood risk grant utilised in funding internal officer resources	
Understand all flood risk assets across various departments, ensuring land registry parcels of council ownership are redefined to make this clearer to Council services				Long	Officer Resources		
5. To continue to promote the rights and responsibilities of 'Riparian Owners'. For more information see 'Living on the Edge'		Community	With the EA, identify landowners and advice directly of the need to carry out their flood risk responsibilities, in addition advise of other environmental issues to be aware of such as the need to manage invasive species.	Ongoing	Officer Resources		
6 Ensuring that emergency plans and responses to flood incidents	1. For flood events larger than those that can be managed through defences, plan for eventualities	CCA/ FWMA	LB Hillingdon is part of the Hillingdon Resilience Forum together with the London Fire Brigade and other key services. Ensure that the Multi Agency Flood Plan is fit for purpose.	MAFP 2014 completed	Officer Resources	Defra flood risk grant utilised in funding internal	

	are effective and that communities understand their role in an emergency.	that cannot be mitigated. Do this through appropriate emergency plans and responses.	Community	Many of the local flood risk issues are dealt with by a variety of different departments. London Borough of Hillingdon should also develop its own internal Flood Plan to coordinate different services.	Flood Plan being drafted	officer resources
			SWMP	Promote actions to be taken by residents to reduce flood risk, in the SWMP Part 2 Action Plan Appendix B	Ongoing	
			Strategy	Clearer and more transparent plans produced by all risk management authorities as to what they will and won't be able to do in a flood event	Long term objective	
	2. Undertake appropriate Flood Investigations following significant flood events, and use collected evidence to inform other flood risk documents.	FWMA	Set a clear definition of the level of investigation that will be undertaken, dependant on resources available.	All RMA to cooperate by providing information promptly and to contribute to investigations where responsibility is not clear.	Two published See Council Website Ongoing	Officer Resources
				Update the SWMP Action Plan based on feedback from residents on flood events		
				Develop a clear emergency communications process between residents and Council to be implemented during different types of flood event.		
	3. Work towards better communication between 'Risk Management Authorities' and joint communication to residents in an emergency on action being taken.	Community	Investigate and develop better communication on flooding between residents and the Council and other RMA, so as to coordinate a more effective response on the information to be provided, the action to be taken in the event of a flood and where to go for support.		Long term objective	Officer Resources