

London Borough of Sutton Local Flood Risk Management Strategy Action Plan

Version: 1.0
 This Action Plan supports the June 2015
 Next Review Date: July 2016



Measure/ Scheme			Delivery		Programme				Funding			Priority	Comments	
Objective	Measure	Actions	Lead	Partners	Start	Finish	Review	Status	Est. Cost (£)	Source	Status			
1	Improve our understanding and data holdings regarding mechanisms of flooding in Sutton.	1.1 Put a system in place to enable the capture and interrogation of information regarding historic flood risk.	1.1.1 Download monthly summaries of reported floods from Contender to a central drive accessible to any teams considering flood risk.	Sutton LLFA - Highways	Any stakeholders keeping records; emergency planning, parks, LFB, EA, TfL	2014-2015	2020 onwards	Dec-14	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate	
			1.1.2 Explore whether Emergency Planning team can gain access to Contender.	Sutton LLFA - Emergency Planning		2014-2015	2014-2015	Dec-14	In Progress	Less than £5,000	Other (Internal)	Allocated	Moderate	
			1.1.3 Review and update Flood Incident Database on a monthly basis and/or following a major flooding incident.	Sutton LLFA - Highways / Emergency Planning	Thames Water, EA, TfL	2014-2015	2020 onwards	Dec-14	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate	
			1.1.4 Develop a GIS / web-based database for spatial analysis of flood incidents.	Sutton LLFA		2014-2015	2016-2017	Dec-14	In Progress	Less than £5,000	Area Based Grant	Allocated	Moderate	
	1.2 Update and utilise existing flood studies to inform the understanding of flood risk across the borough.	1.2.1 Update Strategic Flood Risk Assessment and include more detailed surface water and groundwater flood risk information.	Sutton LLFA - Spatial Planning	EA, TW	2014-2015	2015-2016	Dec-14	Not Started	£6,000 - £25,000	To be confirmed	To be confirmed	Moderate		
			1.2.2 Update Preliminary Flood Risk Assessment.	Sutton LLFA	EA	2016-2017	2016-2017	Mar-16	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate	
	1.3 Improve understanding of the hydrological links between boroughs and work with neighbouring LLFAs where cross-boundary issues exist.	1.3.1 Create a 'living' list of cross-boundary flood issues; known and potential.	Sutton LLFA	Neighbouring boroughs	2014-2015	2020 onwards	Dec-14	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate		
			1.3.2 Contact neighbouring Councils to establish any management already in place for cross-boundary issues and joint working opportunities going forward.	Sutton LLFA	Croydon LLFA, Merton LLFA, Surrey CC, Kingston LLFA	2014-2015	2020 onwards	Dec-14	In Progress	Less than £5,000	Area Based Grant	Allocated	Moderate	
	1.4 Improve how flood risk information is communicated in-house and influences different work streams of the Council.	1.4.1 Re-establish internal flood group to meet regularly to	Sutton LLFA -		2014-2015	2020 onwards	Dec-14	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate		
			1.4.2 Establish a mechanism for communicating information regarding flood risk management to all departments and members.	Sutton LLFA - Internal Flood Group		2014-2015	2014-2015	Dec-14	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate	
			1.4.3 Create a clear 'living list' of the funding streams available to Sutton for flood risk projects for internal circulation.	Sutton LLFA - Highways / Spatial Planning	EA	2014-2015	2020 onwards	Dec-14	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate	
			1.4.4 Improve understanding of weather warnings and emergency process between officers and departments.	Sutton LLFA - Emergency Planning		2014-2015	2020 onwards	Dec-14	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate	
	1.5 Develop and prioritise area-wide action plans for critical drainage areas based on Surface Water Management Plan.	1.5.1 Review the surface water flood risk in CDAs using Environment Agency dataset "Updated Flood Map for Surface Water".	Sutton LLFA - Highways		2014-2015	2014-2015	Dec-14	In Progress	Less than £5,000	Area Based Grant	Allocated	Moderate		
			1.5.2 Review prioritised list of CDAs for further	Sutton LLFA -		2014-2015	2014-2015	Dec-14	In Progress	Less than £5,000	Area Based Grant	Allocated	Moderate	
			1.5.3 Seek funding to complete detailed investigations of remaining Critical Drainage Areas (CDAs).	Sutton LLFA - Highways		2014-2015	2018 onwards	Dec-14	In Progress	Less than £5,000	Area Based Grant	Allocated	Moderate	
	1.6 Gain better understanding of the threat groundwater poses in Sutton and its influence on SuDS and future development.	1.6.1 Obtain Defra Groundwater Emergency mapping and BGS datasets for SuDS	Sutton LLFA - Highways		2014-2015	2014-2015	Dec-14	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate		
1.6.2 Undertake a borough-wide groundwater study to review geology and potential groundwater flooding mechanisms in the borough to identify high risk areas.			Sutton LLFA - Highways		2015-2016	2015-2016	Sep-15	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate		
1.6.3 Coordinate volunteer groups to identify new spring heads.			Wandle Trust		2014-2015	2016-2017	Dec-14	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate		
2	Build on relationships with Risk Management Authorities and maximise joint working opportunities for multiple benefits.	2.1 Work with Risk Management Authorities and stakeholders to maximise partnership working opportunities to deliver flood remediation at catchment and local levels.	2.1.1 Meet regularly with Thames Water Utilities to identify areas where sewer flooding impacts surface water flooding. Circulate information in advance of set meetings.	Sutton LLFA - Highways		2015-2016	2020 onwards	Mar-15	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate	
			2.1.2 Invite RMAs to sit on Steering Group when updating flood risk documents.	Sutton LLFA - Highways		2015-2016	2020 onwards	Mar-15	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate	
			2.1.3 Share findings of LFRMS with EA to inform Flood Risk Management Plan.	Sutton LLFA - Highways		2014-2015	2014-2015	Sep-15	In Progress	Less than £5,000	Area Based Grant	Allocated	Moderate	
	2.2 Continue to support the South West London Flood Group and seek opportunities for collaborative working and sharing of best practice across South West London.	2.2.1 Attend regular (3-monthly) South West London Flood Group Meetings and report outcomes to Sutton Internal Flood Group.	Sutton LLFA - Highways		2014-2015	2020 onwards	Dec-14	In Progress	Less than £5,000	Area Based Grant	Allocated	Moderate		

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3	Proactively encourage sustainable practices and identify opportunities for holistic water management across the Borough.	3.1 Set up a procedure enabling the LLFA to carry out their statutory consultee role assessing proposed drainage measures in major planning applications.	3.1.1	Plan for required resources required for the LLFA to carry out their statutory consultee responsibilities in terms of major planning applications in Sutton.	Sutton LLFA - Highways / Development Management		2014-2015	2014-2015	Dec-14	In Progress	Less than £5,000	Defra - SAB	Allocated	Moderate	
			3.1.2	Upskill members of staff using Environment Agency online training tools.			2014-2015	2015-2016	Dec-14	Not Started	Less than £5,000	Defra - SAB	Allocated	Moderate	
			3.1.3	Employ relevant drainage expert to review the drainage element of major planning applications and inspect construction standards.	Sutton LLFA - Highways / Development Management		2014-2015	2015-2016	Dec-14	Not Started	£26,000 - £50,000	Defra - SAB	Allocated	Moderate	
			3.1.4	Carry out LLFA as a statutory consultee dry run.	Sutton LLFA - Highways / Development Management		2014-2015	2014-2015	Dec-14	Not Started	Less than £5,000	Defra - SAB	Allocated	Moderate	
			3.1.5	Identify and implement method to maintain SuDS schemes including maintenance guidance and whole life cost plans.	Sutton LLFA - Highways / Development Management		2015-2016	2016-2017	Mar-15	Not Started	Less than £5,000	Defra - SAB	Allocated	Moderate	
	3.2 Promote SuDS creation through landscaping schemes for biodiversity	3.2.1	Produce guidance on appropriate SuDS for Sutton.	Sutton LLFA - Highways / Development Management		2015-2016	2015-2016	Mar-15	In Progress	Less than £5,000	To be confirmed	To be confirmed	Moderate		
		3.2.2	Create a 'living list' of features / areas within the borough where SuDS could be introduced during upcoming regeneration.	Sutton LLFA - Highways / Spatial Planning / Development Management		2015-2016	2020 onwards	Mar-15	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate		
		3.2.3	Promote the use of trees and vegetation that prevent rapid runoff and landscaped SuDS to create increased biodiversity opportunities.	Sutton LLFA - Development Management		2015-2016	2016-2017	Jun-15	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate		
	3.3 Ensure Sustainable water policy is being implemented effectively and the water environment managed holistically.	3.3.1	Monitor water reduction objectives through One Planet Sutton Action Plan.	Sutton LLFA - Sustainability		2015-2016	2016-2017	Jun-15	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate		

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4	Reduce the number of homes and businesses at risk of flooding.	4.1 Seek opportunities to carry out flood alleviation works to reduce the likelihood of flooding in Sutton.	4.1.1	CDA24 Sandy Lane, Cheam: Review findings of detailed modelling study.	Sutton LLFA - Highways		2014-2015	2014-2015	Dec-14	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate	Detailed modelling completed March 2014.
			4.1.2	CDA26 Cedar Road / Brighton Road (Overton Grange): Review findings of detailed modelling study.	Sutton LLFA - Highways		2014-2015	2014-2015	Dec-14	Not Started	£51,000 - £100,000	FCRM GiA	Allocated	Moderate	Detailed modelling completed March 2014. FCRM GiA funding allocated for 2014/15.
			4.1.3	CDA27 Carshalton Beeches: Review findings of detailed modelling study.	Sutton LLFA - Highways		2014-2015	2014-2015	Dec-14	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate	Detailed modelling completed June 2014.
			4.1.4	CDA32 London Road, Hackbridge: Review findings of detailed modelling study.	Sutton LLFA - Highways		2014-2015	2014-2015	Dec-14	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate	Detailed modelling completed March 2014.
			4.1.5	CDA28 Carshalton Centre: Undertake CDA Investigation and review options for implementation.	Sutton LLFA - Highways		2014-2015	2014-2015	Dec-14	Not Started	£26,000 - £50,000	Local Levy	Allocated	Moderate	Local Levy funding granted for 2014/2015.
			4.1.6	CDA33 Hackbridge Town: Undertake CDA Investigation and review options for implementation.	Sutton LLFA - Highways		2014-2015	2014-2015	Dec-14	Not Started	£26,000 - £50,000	Local Levy	Allocated	Moderate	Local Levy funding granted for 2014/2015.
			4.1.7	CDA29 Beddington Gardens: Undertake CDA Investigation.	Sutton LLFA - Highways		2014-2015	2014-2015	Dec-14	In Progress	£26,000 - £50,000	To be confirmed	To be confirmed	Moderate	FCRM GiA bid submitted for funding 2015/16. Awaiting outcome.
			4.1.8	CDA23 Trafalgar Avenue / Hamilton Avenue: Undertake CDA Investigation.	Sutton LLFA - Highways		2015-2016	2016-2017	Dec-14	Not Started	£26,000 - £50,000	To be confirmed	To be confirmed	Moderate	FCRM GiA bid submitted for funding 2014/15. No funding at present.
			4.1.9	CDA25 York Road: Undertake CDA Investigation.	Sutton LLFA - Highways		2015-2016	2016-2017	Dec-14	Not Started	£26,000 - £50,000	To be confirmed	To be confirmed	Moderate	FCRM GiA bid submitted for funding 2014/15. No funding at present.
			4.1.10	Review potential for submitting funding applications for remaining CDAs (CDA22 Worcester Park; CDA30 Wallington; CDA31 South Beddington)	Sutton LLFA - Highways		2014-2015	2016-2017	Dec-14	In Progress	Less than £5,000	To be confirmed	To be confirmed	Moderate	
4	4.2 Seek funding for further flood alleviation works.	4.2.1	Develop a schedule to monitor funding sources and changing requirements on a monthly - 2 monthly basis to ensure opportunities are maximised.	Sutton LLFA - Highways		2014-2015	2020 onwards	Dec-14	In Progress	Less than £5,000	Area Based Grant	To be confirmed	Moderate		
		4.2.2	Maintain communication with members about priorities and benefits to residents.	Sutton LLFA - Highways		2014-2015	2020 onwards	Dec-14	In Progress	Less than £5,000	Area Based Grant	To be confirmed	Moderate		
		4.2.3	Communicate funding applications across teams or via internal flood group to ensure maximum targets are addressed.	Sutton LLFA - Highways		2014-2015	2020 onwards	Dec-14	In Progress	Less than £5,000	Area Based Grant	To be confirmed	Moderate		
4	4.3 Ensure council extreme weather event and flood recovery plans are kept updated.	4.3.1	Review extreme weather event and flood recovery plans following significant weather events.	Sutton LLFA - Emergency Planning		2014-2015	2020 onwards	Dec-14	In Progress	Less than £5,000	Internal (Other)	To be confirmed	Moderate		
5	Support local residents in increasing their own resilience to flooding.	5.1 Educate residents to understand how they can influence and get involved in local flood risk management.	5.1.1	Develop the Council's flood risk management website to provide more flood risk advice, establishing a regular review process to allow for updates.	Sutton LLFA	EA	2014-2015	2020 onwards	Dec-14	In Progress	Less than £5,000	Area Based Grant	Allocated	Moderate	
			5.1.2	Encourage establishment of community flood groups and flood wardens by engaging on the benefits.	Sutton LLFA	Croydon LLFA, EA	2015-2016	2020 onwards	Mar-15	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate	
			5.1.3	Encourage local residents to take on maintenance of local SuDS features.	Sutton LLFA		2015-2016	2015-2016	Dec-15	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate	
			5.1.4	Distribute educational materials to encourage households in flood risk areas to install flood risk resilience measures.	Sutton LLFA	Neighbouring boroughs, EA	2016-2017	2020 onwards	Mar-16	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate	
			5.1.5	Where feasible and appropriate, annually take the Action Plan and an update on progress to Local Committees (particularly those most affected by Flood Risk).	Sutton LLFA		2015-16	2020 onwards	Mar-16	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate	
			5.1.6	Encourage local businesses to set up continuity plans for extreme weather events.	Sutton LLFA	EA	2015-2016	2020 onwards	Mar-15	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate	
			5.1.7	Encourage residents and businesses to use online tools available from the Environment Agency and National Flood Forum to produce risk assessments and action plans.	Sutton LLFA	EA	2015-2016	2020 onwards	Mar-15	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate	

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		5.1.8	Work with key stakeholders (e.g. Age UK) to increase their capacity to provide information to the vulnerable to increase their resilience.	Sutton LLFA	Voluntary Organisations	2016-2017	2020 onwards	Mar-16	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate	
	5.2 Work towards public understanding and acceptance of particular areas being designed to provide flood storage as well as other multiple benefits when dry.	5.2.1	Timetable of targeted engagement where SuDS schemes are planned to educate on the multiple benefits.	Sutton LLFA	Neighbouring boroughs, EA	2016-2017	2020 onwards	Mar-16	Not Started	Less than £5,000	To be confirmed	To be confirmed	Moderate	