



London Borough of Redbridge LFRMS Action Plan

The Action Plan supports the delivery of the London Borough of Redbridge LFRMS.
It is intended to be used by the Redbridge Lead Local Flood Authority. **(FOR EXTERNAL USE)**
Version: **v2.0**
Last Updated: **October 2023**

LFRMS Strategic Objectives

A	To improve knowledge and understanding of flood risk in Redbridge and wider catchments.
B	To deliver successful and targeted flood alleviation schemes which maximise wider social, economic and environmental benefits.
C	To develop knowledge and access to funding to improve the resilience of communities and future development.
D	To ensure development appropriately mitigates flood risk by prioritising the use of SuDS and by aiming to achieve greenfield runoff rates.
E	To support successful communication between stakeholders and the effective engagement of communities to enable improvements to flood risk management.
F	To address climate change impacts by improving sustainability and working towards carbon neutral targets.

Table headings/sections

Actions	Information relating to each action and associated objective.
Delivery	The proposed risk management authorities (RMAs) involved in the delivery of each action.
Programme	Proposed timescales for the action and each action's current status of progress.

Items

Strategic Objective	Strategic objective letter as defined in the LFRMS document.
Action ID	The individual action ID value.
Action Details	Action description.
Lead Risk Management Authority	The organisation which will lead in the delivery of the action.
Partner Authorities / Departments	The organisations which will support the delivery of the action.
Timescale from 2024	The approximate time period for completing the action from the publication of the LFRMS, or if the action is an ongoing deliverable.
Current Status	The current status of the actions progress in being completed.
Links to Legislation / Policy	Hyperlinks to legislation that links to the delivery of this action. FWMA = Flood and Water Management Act 2010 NFCERMS = National Flood and Coastal Erosion Risk Management Strategy 2020 CCAP = Redbridge Council Climate Change Action Plan BAP = Redbridge Council Biodiversity Action Plan AQAP = Redbridge Council Air Quality Action Plan FRMP = Flood Risk Management Plan

Dropdowns

Timescale from 2024
Short-term = 0-2 years
Medium-term = 2-4 years
Long-term = 4-6+ years
On-going = Continual action

Current Status	
Red	Action is not currently in progress
Amber	Action is in progress
Green	Action completed
Blue	Action is ongoing



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Strategic Objective	Action ID	Action Details	Lead Risk Management Authority	Partner Authorities / Departments	Timescale from 2024	Current Status	
A To improve knowledge and understanding of flood risk in Redbridge and wider catchments.	A1	Review and update the flood risk management web pages on Redbridge Council's website to ensure current information on local flood risk is clearly accessible and useable to members of the public. Publish details on what sustainable drainage systems are and provide case studies on successful flood alleviation schemes to promote the use of sustainable drainage systems and educate residents.	Redbridge LLFA	Redbridge Web Team	Ongoing	Blue	FRMP Measure ID 0214506003
	A2	Maintain knowledge on changes made by the Environment Agency and Met Office to flood forecasting services and flood warning systems.	Redbridge LLFA	Thames Flood Advisors, Environment Agency	Ongoing	Blue	
	A3	Progress modelling opportunities and feasibility studies to support ongoing development and understanding of flood risk with the additional aims of supporting other Council-wide and cross-departmental policy and objectives where possible. Share outcomes with relevant Council Teams.	Redbridge LLFA	Thames Flood Advisors, Environment Agency	Ongoing	Blue	
	A4	Collaborate with partner risk management authorities to improve understanding of flood risk interactions and identify areas where flood risks could combine to exacerbate risk.	Redbridge LLFA	Neighbouring Borough LLFAs, Environment Agency, Thames Water	Short-term	Amber	NFCERMS - Measure 2.7.1
	A5	Review flood investigation criteria and protocol for when flooding incidents will require a flood investigation as required under Section 19 of the FWMA. Ensure that this criteria is shared on the Redbridge Council website.	Redbridge LLFA	Redbridge Emergency Planning Team	Short-term	Amber	FWMA
	A6	Streamline the monitoring and recording of flooding reports made to Redbridge Council by improving the flood reporting tool, and sharing relevant information with other risk management authorities to improve partnership working and information sharing.	Redbridge LLFA	Redbridge Highways Team, Redbridge IT Support Team	Ongoing	Blue	NFCERMS - Measure 2.5.1
	A7	To contribute to the wider conversation and body of knowledge around flood risk alleviation through the delivery of innovative flood risk management works.	Redbridge LLFA	Environment Agency	Ongoing	Blue	
	A8	Maintain and share updated GIS layers on flood risk and flood risk management with relevant Council teams.	Redbridge LLFA	Redbridge GIS Team, Redbridge Planning Team, Redbridge Highways Team, Redbridge Climate Change Team	Ongoing	Blue	
	A9	Support other Redbridge Council departments to introduce opportunities for sustainable drainage systems within their own schemes or maintenance	Redbridge LLFA	Internal Council Teams	Ongoing	Blue	AQAP - 25 BAP - theme A



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<p>B</p> <p>To deliver successful and targeted flood alleviation schemes which maximise wider social, economic and environmental benefits.</p>	B1	systems within their own schemes or maintenance works.					NFCERMS - Measure 3.1.2
	B2	Produce and maintain a list or map of high priority areas for flood alleviation schemes based on flood risk severity and social, economic and environmental indicators.	Redbridge LLFA		Ongoing	Blue	BAP - theme E NFCERMS - Measure 1.4.3
	B3	Review previously delivered flood risk work to determine where improvements to remedial works could allow for social, economic or environmental betterment in the area.	Redbridge LLFA	Redbridge Highways Team	Short-term	Red	NFCERMS - Measure 2.2.1
	B4	Deliver targeted and appropriate flood alleviation schemes in response to flood investigations in areas which have experienced significant incidents of flooding.	Redbridge LLFA	Thames Water, Environment Agency, Thames Flood Advisors	Ongoing	Blue	NFCERMS - Measure 2.7.1
	B5	Aim to support the improvement of water quality and reduce pollution within watercourses through the delivery of flood alleviation schemes. Review responsibilities for water quality and options for supporting a cross-departmental Integrated Water Management Plan.	Redbridge LLFA	Redbridge Environmental Protection Team, Environment Agency, Redbridge Planning Team	Long-term	Red	Local Plan Policy - LP24 NFCERMS - Measure 1.4.4 FRMP Measure ID 0214506002
	B6	Investigate opportunities for wider socio-environmental benefits as part of initial design stages for flood alleviation schemes and identify opportunities for improved engagement and scheme enhancement, supporting other Council-wide and cross-departmental policy and objectives where possible.	Redbridge LLFA	Redbridge Communications Team, Redbridge Planning Team	Ongoing	Blue	BAP - theme A NFCERMS - Measure 1.4.3
	B7	Identify and implement methods, such as maintenance guidance and whole life cost plans, to maintain sustainable drainage systems with the relevant Council teams.	Redbridge LLFA	Internal Council Teams, Thames Water	Medium-term	Red	NFCERMS - Measure 2.7.1
	B8	Work with risk management authorities, land managers and the community to identify opportunities to deliver natural flood management within Redbridge.	Redbridge LLFA	Residents & Land owners, Environment Agency, Redbridge Parks Team	Medium-term	Red	AQAP - 25 BAP - theme B NFCERMS - Measure 1.4.2
	B9	Develop a community engagement strategy to educate and encourage resident and business involvement in proposed flood alleviation schemes.	Redbridge LLFA	Redbridge Communications Team, Thames Water	Ongoing	Blue	FRMP Measure ID 0214506003
	B10	Contribute to improving the natural, built, and historic environment by investing in appropriate projects that manage flood risk and work with local environmental groups to utilise best practices.	Redbridge LLFA	Redbridge Cultural / Historical Team, Local environmental groups, Redbridge Planning Team	Ongoing	Blue	Local Plan Policy - LP33 AQAP - 7



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		environmental groups to advise best practices.					BAP - theme F NFCERMS - Measure 1.4.3
C To develop knowledge and access to funding to improve the resilience of communities and future development.	C1	Work with a range of partners to maintain a list of funding opportunities and to evaluate the best options to pursue for flood alleviation schemes. (Details on funding source, amount, timescales and requirements of the funding should be included).	Redbridge LLFA	Internal Council Teams, Thames Flood Advisors, Environment Agency, Thames Water, TE2100 Team	Ongoing	Blue	CCAP - Procurement & Investments NFCERMS - Measure B.1
	C2	Review opportunities to collaborate with community groups and charities to capitalise on funding opportunities and support wider community benefits through flood mitigation operations.	Redbridge LLFA	Thames Flood Advisors, Internal Council Teams, Community groups and charities	Ongoing	Blue	BAP - theme F CCAP - Procurement & Investments
	C3	Support an increase in resident uptake of property-level flood resilience and mitigation measures by publishing guidance on Redbridge Council's website and working in conjunction with delivery partners / stakeholders and local communities.	Redbridge LLFA	Internal Council Teams, Community groups and charities, Flood Re	Medium-term	Amber	NFCERMS - Measure B.1 NFCERMS - Measure 2.4.1
	C4	Provide efficient responses to flooding incidents and emergency recovery following a flood incident.	Redbridge Emergency Planning Team	Redbridge LLFA	Ongoing	Blue	FWMA
	C5	Liaise with the Environment Agency to seek opportunities for Local Levy and Grant in Aid funding to support flood risk management functions and the delivery of flood alleviation schemes.	Redbridge LLFA	Environment Agency	Ongoing	Blue	NFCERMS - Measure B.1
	C6	Work with partner risk management authorities and other organisations to develop the skills needed to secure new and innovative funding for flood risk management.	Redbridge LLFA	Environment Agency, Thames Flood Advisors	Medium-term	Red	CCAP - Procurement & Investments NFCERMS - Measure B.1 NFCERMS - Measure B.2
	C7	Improve community awareness and resilience to flooding by providing support to communities (1) at risk of flooding who are interested in establishing local flood groups; (2) in producing community flood plans to help manage the risk of / response to flooding.	Redbridge Emergency Planning Team	Redbridge LLFA, Environment Agency	Medium-term	Red	NFCERMS - Measure 3.1.2



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<p>D</p> <p>To ensure development appropriately mitigates flood risk by prioritising the use of SuDS and by aiming to achieve greenfield runoff rates.</p>	D1	Review and update local planning application requirements and associated planning checklist(s) when these undergo regular Council review. Ensuring that guidance for developers on sustainable drainage systems and flood risk is up-to-date and clearly signposted on the Redbridge Council website.	Redbridge LLFA	Redbridge Planning Team, Redbridge Service Area Web Editor	Long-term	Blue	NFCERMS - Measure 2.1.4
	D2	Develop and maintain Flood Risk Asset Register to ensure assets that have a significant impact on flood risk are identified and have the appropriate maintenance plans in place.	Redbridge LLFA	Redbridge GIS Team, Redbridge Highways Team	Ongoing	Blue	FWMA
	D3	Deliver training / information sessions, supported by guidance documents, to Redbridge Council planning staff on sustainable drainage systems and share updates of any changes.	Redbridge LLFA	Redbridge Planning Team	Short-term	Red	NFCERMS - Measure 2.1.4 NFCERMS - Measure 3.1.2
	D4	Support the two-way sharing of updates to planning advice for sustainable drainage systems and flood risk in line with the Non-Statutory Technical Standards for sustainable drainage systems and climate change allowances as required.	Redbridge LLFA	Redbridge Planning Team	Long-term	Amber	NFCERMS - Measure 2.1.4 NFCERMS - Measure 2.1.5
	D5	Conduct regular maintenance of Redbridge Council adopted drainage systems ensuring that gullies and drains are able to operate effectively.	Redbridge Highways Team	Redbridge LLFA	Ongoing	Blue	FWMA
	D6	Fulfil the role of statutory consultee on planning applications for major developments by providing flood risk and SuDS advice to ensure compliance with the London Plan Drainage Hierarchy (Policy SI 13) by encouraging developers to store surface water via rainwater harvesting or discharge via infiltration.	Redbridge LLFA	Redbridge Planning Team	Ongoing	Blue	Local Plan Policy - LP21 Local Plan Policy - LP31 AQAP - 7 BAP - theme C CCAP - Property & Energy
			Ensure the peak runoff rate from any proposed major development to any drain, sewer or surface water body in the 1 in 1-year and 1 in 100-year rainfall event is as close as reasonably practicable to the	Redbridge LLFA	Redbridge Planning Team	Ongoing	Blue



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	D7	greenfield runoff rate from the development for the same rainfall event and make sure it never exceeds the rate of discharge from the development prior to the redevelopment for that event - in line with S3 of Defra's Non-Statutory Technical Standards for sustainable drainage systems as part of the Lead Local Flood Authorities role in planning reviews.					CCAP - Property & Energy
	D8	Require developers to demonstrate that flooding will not occur up to and including the 1 in 100-year rainfall event in any part of the proposed building and that flows resulting from rainfall in excess of the 1 in 100-year rainfall event are managed in exceedance routes that minimise the risks to people and property in line with S8 and S9 of Defra's Non-Statutory Technical Standards for sustainable drainage systems as part of the Lead Local Flood Authorities role in planning reviews.	Redbridge LLFA	Redbridge Planning Team	Ongoing	Blue	Local Plan Policy - LP21 Local Plan Policy - LP31
							CCAP - Property & Energy
	D9	Review threshold criteria for when the Lead Local Flood Authority should be consulted on minor planning applications by liaising with Local Planning Authority colleagues.	Redbridge LLFA Redbridge Planning Team		Ongoing	Blue	Local Plan Policy - LP21 BAP - theme D
	D10	Keep informed of updates to Sustainable Drainage Systems Approval Body (SAB) implementation and put a plan in place for the delivery of the SAB role, including achieving Biodiversity Net Gain targets and Urban Greening Factors.	Redbridge LLFA, Redbridge Planning Team	Redbridge Climate Change Team, Redbridge Biodiversity / Ecology Team, Urban Design & Infrastructure Team	Ongoing	Blue	FWMA
	D11	Employ a joint approach with the Redbridge Planning Team, to consider the safeguarding of land for flood risk management purposes including natural flood management.	Redbridge LLFA, Redbridge Planning Team	Redbridge Biodiversity / Ecology Team	Long-term	Red	
	E1	Communicate with housing associations, community groups, charities and other organisations to improve local understanding of flood risk and the duties of the Lead Local Flood Authority.	Redbridge LLFA	Redbridge Housing Team, Community groups and charities	Short-term	Red	FWMA
							CCAP - Enabling others NFCERMS - Measure 3.1.2
	E2	Establish and maintain regional connections with flood risk partnerships to improve communication between risk management authorities in the North-East London area.	Redbridge LLFA	Neighbouring LLFAs, Environment Agency, Thames Water	Ongoing	Blue	NFCERMS - Measure 2.7.1
E3	Produce an annual community engagement plan that aligns with relevant flood awareness and climate change days / weeks.	Redbridge LLFA	Redbridge Communications Team	Medium-term	Red	BAP - theme F CCAP - Enabling others	



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<p>E</p> <p>To support successful communication between stakeholders and the effective engagement of communities to enable improvements to flood risk management.</p>							FRMP Measure ID 0214506003
	E4	Ensure that communities are appropriately engaged from initial development stages for flood alleviation schemes and throughout the delivery process.	Redbridge LLFA	Redbridge Communications Team, Community groups and charities	Ongoing	Blue	
	E5	Lead in the delivery of internal flood group meetings to facilitate the efficient use of Council resources, establish policies and share responsibilities for collaborative flood risk management between departments, supporting cross-departmental Council working and to facilitate information sharing and communication of updates.	Redbridge LLFA	Internal Council Teams	Ongoing	Blue	
	E6	Review flood incident records to identify areas where cross boundary flooding has or could occur and liaise with the relevant neighbouring Councils to plan appropriate action.	Redbridge LLFA	Neighbouring LLFAs	Ongoing	Blue	NFCERMS - Measure 2.5.1
	E7	Review Strategic Flood Risk Assessment and associated documents, maps and GIS layers. Collaborate on updates with relevant risk management authorities.	Redbridge Planning Team, Redbridge LLFA	Internal Council Teams, Environment Agency, Thames Water	Long-term	Amber	FWMA
<p>F</p> <p>To address climate change impacts by improving sustainability and working towards carbon neutral targets.</p>	F1	Review Redbridge Council's climate change targets and put in place measures where flood risk management work can align or support these.	Redbridge LLFA, Redbridge Climate Change Team		Medium-term	Red	Local Plan Policy - LP19
							Local Plan Policy - LP37
	Local Plan Policy - LP32						
							BAP - theme A
							BAP - theme B
							BAP - theme E
							CCAP - Full plan
							NFCERMS - Measure 2.2.2
	F2	Consider taking steps to review carbon emissions associated with flood alleviation schemes with the aim of being carbon neutral, considering and reducing the embodied carbon of infrastructure.	Redbridge LLFA	Environment Agency, Redbridge Climate & Environment Team, Redbridge Urban Design & Infrastructure Team, Redbridge Planning Team	Long-term	Red	Local Plan Policy - LP20
							Local Plan Policy - LP32
							AQAP - 2
							CCAP - Property & Energy
	F3	Maximise opportunities in improving biodiversity when delivering flood alleviation schemes by contributing to net environmental / biodiversity gain and aligning proposals with other Council plans.	Redbridge LLFA, Redbridge Biodiversity / Ecology Team	Redbridge Planning Team	Medium-term	Red	Local Plan Policy - LP39
							Local Plan Policy - LP38
							Local Plan Policy - LP35
							Local Plan Policy - LP34
							BAP - theme A
							BAP - theme B
							BAP - theme E



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							NFCERMS - Measure 2.2.1 NFCERMS - Measure 2.2.2 FRMP Measure ID 0214506002
	F4	Review emerging climate change projections in line with existing and updated flood risk assessments.	Redbridge LLFA	Redbridge Planning Team	Ongoing	Blue	Local Plan Policy - LP19
	F5	In the future when new iterations are produced collaborate with the Redbridge climate change and other teams to include reference to sustainable drainage systems within relevant action plans and strategies.	Redbridge LLFA	Redbridge Climate Change Team, Redbridge Biodiversity / Ecology Team	Medium-term	Red	Local Plan Policy - LP19 Local Plan Policy - LP37