

Bristol Local Flood Risk Management Strategy (LFRMS)

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Updated Citywide Flood Strategy

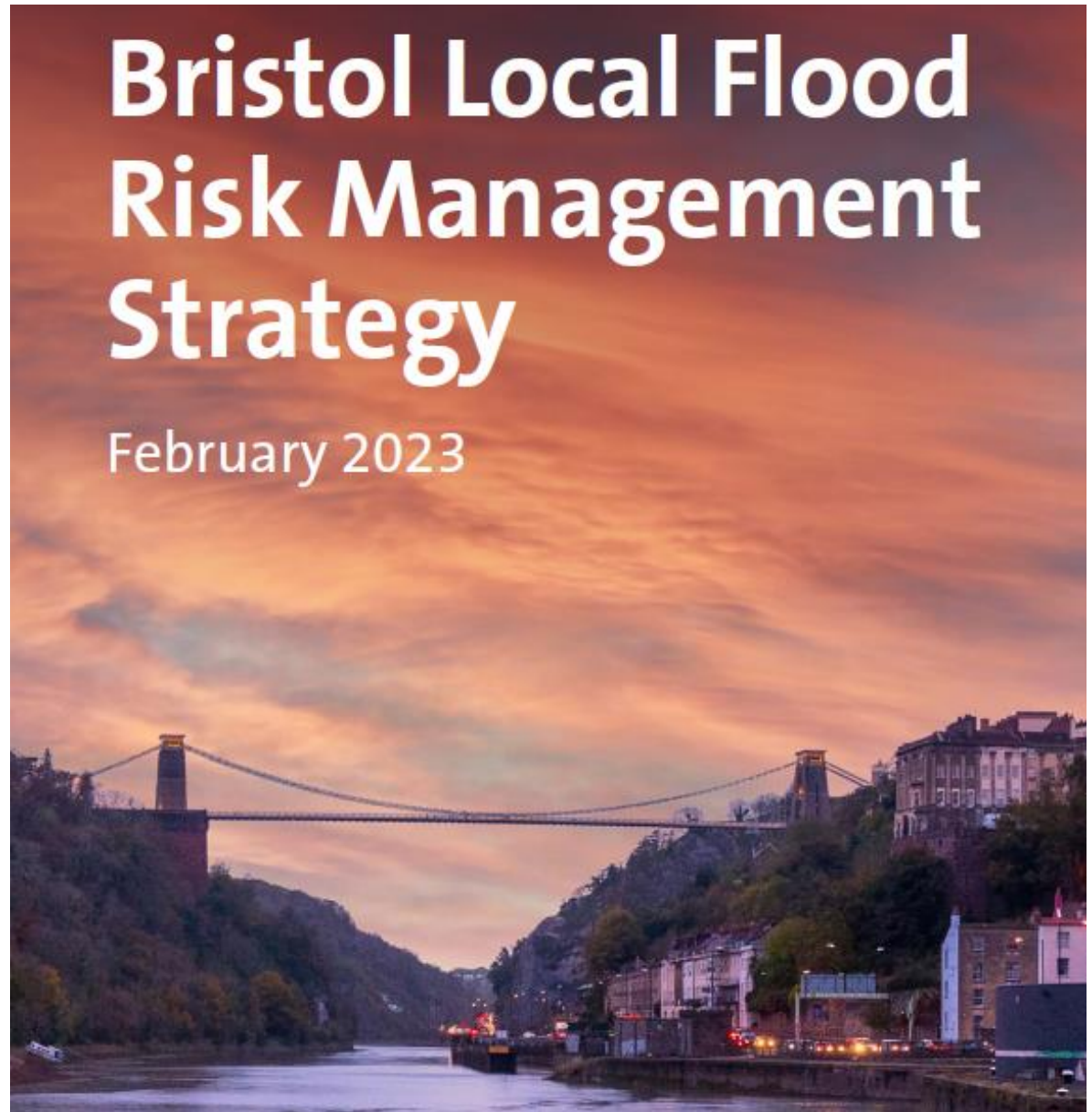
Statutory duty for BCC, as Lead Local Flood Authority for the city, to produce and maintain a LFRMS under the Flood and Water Management Act (2010)

Original version produced in 2014 with formal updates in 2018 and 2023

Provides an overview of all of the flood risk management work undertaken between key partners in the city

Focuses on sources of Local Flood Risk including: rainfall, groundwater and ordinary watercourses for which BCC has particular duties and powers

A SMART approach is applied to achieve high level Objectives through certain Measures, that are fulfilled by specific Actions



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Key updates to the Bristol LFRMS

- Recent flood data, modelling, studies, guidance, project statuses and 'at risk' properties count represented
- Outline of flood risk management works undertaken over the past five years
- Revised priority list of flood risk management schemes, with available funding sources to support this refreshed
- Cost benefit of highway drainage and watercourse maintenance updated
- Flood reporting systems for the public updated
- Future Action Plan presented

England Flood Strategy reflected in Bristol

National Strategy Ambitions

1. Climate resilient places

2. Today's growth and infrastructure – resilient in tomorrow's climate

3. A nation ready to respond and adapt to flooding and coastal change

Agreed Local Objectives

- Gain a greater understanding of the flood risks posed to Bristol and its people and places
- Promote sustainable development that seeks to reduce flood risk and includes consideration of climate change
- Actively manage flood risk infrastructure to reduce the likelihood of flooding causing harm to people and damage to society, the economy and the environment
- Increase public awareness and encourage communities to take action to manage the risks that they face
- Understand communities flooding concerns and priorities, and gather knowledge based on their perception of flooding
- Improve preparedness for flood events and post flood recovery

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Key achievements and work ongoing

Promoting sustainable development:

- Our ongoing work as statutory consultee on planning applications concerning surface water drainage provides cumulative benefit citywide in managing the anticipated increased future storm intensity and frequency.
- Providing input in terms of flood risk and drainage in strategic planning and the Bristol Local Plan has been assisted by production of the Strategic Flood Risk Assessment.
- Training provided to Development Management on flood risk standing advice.
- Regular monthly meetings with Wessex Water Planning Liaison is helping limit sewer misconnections, CSO spills and promote SuDS

Key achievements and work ongoing

- Avonmouth Severnside Ecology Mitigation and Flood Defence project: construction of new wetland habitats and flood defences that better protects existing properties and supports sustainable development in the area for the future



Delivering on objectives to:

- Actively manage flood risk infrastructure
- Promote sustainable development


Key achievements and work ongoing

- We secured over £6M of funding for the Resilient Frome project to support innovative resilience measures in the River Frome catchment area
- Project seeks to deliver sustainable solutions to land and water management through six discrete work streams
- Partnership with Wessex Water, S Glos council and the Environment Agency from 2022 – 2027
- Aligns with several of our objectives and includes working with communities




Today's growth and infrastructure – resilient in tomorrow's climate

Development in areas of flood risk.
Planning position statement



Development in areas of flood risk
26/07/2022



- Planning position statement produced to help enable future development in recognition and support of the Bristol Avon Flood Strategy (BAFS)
- BAFS Outline Business Cases in preparation that will improve active travel corridors and public spaces while reducing flood risk at the same time

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Today's growth and infrastructure – resilient in tomorrow's climate

Planning application for Bedminster Green river restoration works submitted



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A nation ready to respond and adapt to flooding and coastal change

Bristol City Council

Flood Plan

July 2022



- Input provided into revised Flood Plan for Bristol with the Civil Protection Unit and flood risk data and information provided for development of community resilience mapping
- Liaison with the Environment Agency Wessex Flood Resilience Team to seek plans for community engagement in Bristol and comparable examples in cities elsewhere

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Strategy Action Plan

Appendix D Strategy Action Plan

Benefits key

- 1 Reduce flood risk
- 2 Increase understanding
- 3 Environmental
- 4 Resilient communities
- 5 Partnership working and efficiencies
- 6 Sustainability

Climate resilient places

Local Objective: Gain a greater understanding of the flood risks posed to Bristol and its people and places.

Action No.	Action Name	Short term 2023–2025	Medium term 2025–2029	Long term 2029 onward	Funding Source	Cost Estimate	Stakeholder Involvement	Benefits
1.0	Undertake citywide groundwater risk assessment.	✓	✓	✗	DLUHC (LLFA)	15–25k	BCC, EA, WW	5
1.1	Update and procure the asset survey contract, ensuring national standards are met.	✓	✗	✗	DLUHC (LLFA)	Staff time	BCC	2
1.2	Utilise Confirm asset management software and transference of applicable information. Including asset inspections, issuing of maintenance work, records of visits from contractors and developing forecast spend profiles.	✓	✓	✓	DLUHC (LLFA)	Staff time	BCC	2,4
1.3	Improve the recording system of flood risk management activities undertaken. To demonstrate clearly to other RMAs and the public the progress made in completion of Strategy Actions and the status of work carried out.	✓	✓	✓	DLUHC (LLFA)	Staff time	BCC, EA, WW, LSIDB	2, 5
1.4	Continue to provide flood risk data to BCC Civil Protection Unit to inform emergency management procedures.	✓	✓	✓	DLUHC (LLFA)	Staff time	BCC	1, 2, 4, 5
1.5	Continue to lead the Resilient Frome project in partnership with the Environment Agency, South Gloucestershire Council, and Wessex Water, through regular project co-working, progress meetings and Director's boards.	✓	✓	✗	Flood & Coastal Resilience Innovation Programme	£240k	EA, SGC, WW	1, 2, 3, 4, 5, 6
1.6	Deliver RFP policy challenge report to Defra in April 2023.	✓	✗	✗	Flood & Coastal Resilience Innovation Programme	£50k	EA	4, 5
1.7	Deliver RFP telemetry improvements as described in the OBC by July 2023.	✓	✗	✗	Flood & Coastal Resilience Innovation Programme	£160k	EA	2, 5

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February 2023



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Thank you

