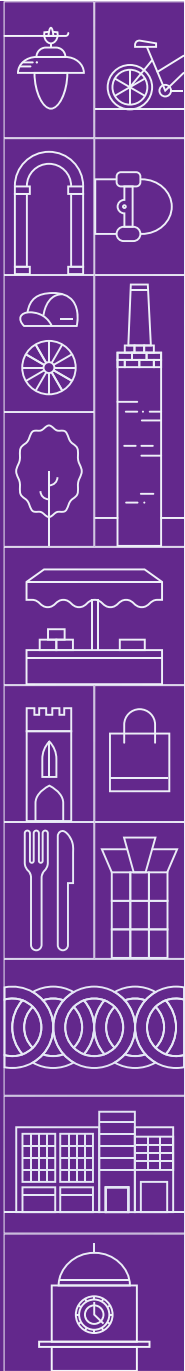


PUBLISHED APRIL 2022, UPDATED FEBRUARY 2023

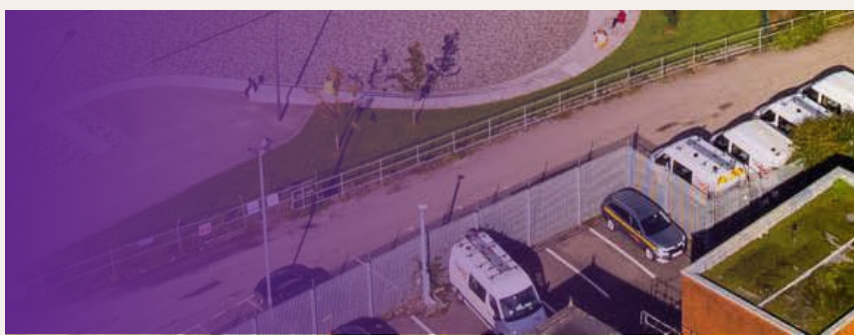
GREEN INFRASTRUCTURE - IMPROVING OUR OUTDOOR ENVIRONMENT

ACTION PLAN

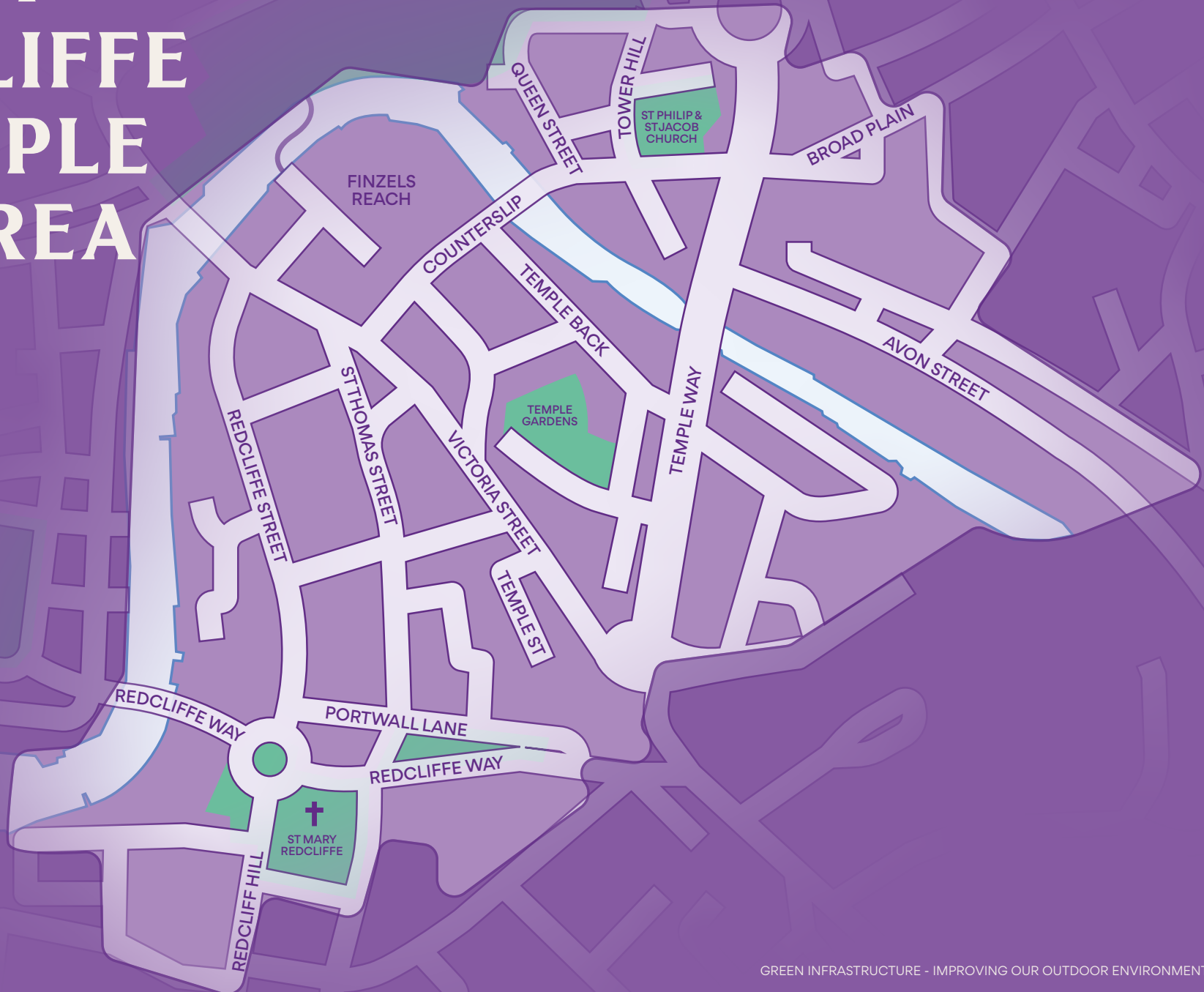


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MAP OF REDCLIFFE & TEMPLE BID AREA



INTRODUCTION

Our vision is for a Redcliffe and Temple area that is vibrant, thriving, sustainable, inspirational and welcoming.

A key element of this vision is to develop the outdoor environment and public realm in the area to create a place that everyone can enjoy.

This document outlines the projects we feel are important to collaborate on with key stakeholders in order to achieve this vision.

The BID works across five themes for the benefit of our levy payers and the wider community:

1. Creating & maintaining quality spaces
2. Improving sustainability & the environment
3. Creating & promoting a vibrant place
4. Connecting & representing businesses
5. Building a safe & caring community

The BID appointed Landsmith Associates in Autumn 2021 to facilitate, guide and develop a Green Infrastructure Action Plan. The Green Infrastructure Action Plan (GIAP) explores and develops the BID's vision, business plan and pre-ballot consultation in 2019.

This report was informed by an outline site appraisal, various client and stakeholder meetings. The outcomes of the appraisal and vision informed the themes for the series of four online stakeholder workshops, exploratory walks in different part of the BID area and an online survey. The consultation focused on the following themes:

1. Cities in Nature
2. Cooling Cities
3. Creating Social Spaces
4. Designing Spaces with Women

The key purposes of this action plan are to:

- Provide site appraisal overviews and assessments that look beyond and within the BID boundary.
- Create ideas for future GI proposals within the BID area, connecting to wider plans for the city.
- Increase the standing of GI in the city to enable strategic partnerships to deliver ambitious interventions.



OUTLINE SITE APPRAISAL

There are various international, national, regional (WECA) and local policies, guidance and aspirations as well as emerging research related to the BID area.

‘A LARGE AREA OF THE BID IS AT HIGH FLOOD RISK; ENVIRONMENTAL AGENCY FLOOD ZONE 3.’

- Primary GI spaces within the BID are:
 - The Floating Harbour
 - Temple Gardens
 - St Mary Redcliffe Churchyard
 - The Quaker Burial Grounds
- Hard landscape; car parks and roads dominate the outdoor environment
- The area is within historic Redcliffe Conservation Area

‘THE BID AREA HAS THE LOWEST TREE CANOPY COVER IN BRISTOL AT 10% TO 12.5%; BRISTOL CITY COUNCIL AIMS TO INCREASE TREE CANOPY TO 25%.’

- There are several tree-lined streets (primarily London Planetrees), mainly to the east of the area and southern boundary

‘THE AREA IS OF VERY HIGH RISK TO HEAT VULNERABILITY INDOORS AND OUTDOORS ENVIRONMENTS WITH MAJOR IMPACT, SOCIALLY, ECONOMICALLY AND ENVIRONMENTALLY’

From the emerging Heat Resilience Plan for Bristol

- Within wetland and river opportunities of improvement – for example WECA Nature Recovery Network
- Each organisation to identify its contribution to 30% managed for nature linked to the Climate and Ecological Emergency Programme and funds (One City Ecological Plan)
- Portwall Lane, Victoria Street, Counterslip and Redcliffe Street are the most popular routes for runners and cyclists
- There are various on going projects, developments and events within BID. For example, Stitch Redcliffe Neighbourhood Development Plan, Temple Gardens and Festival of Nature

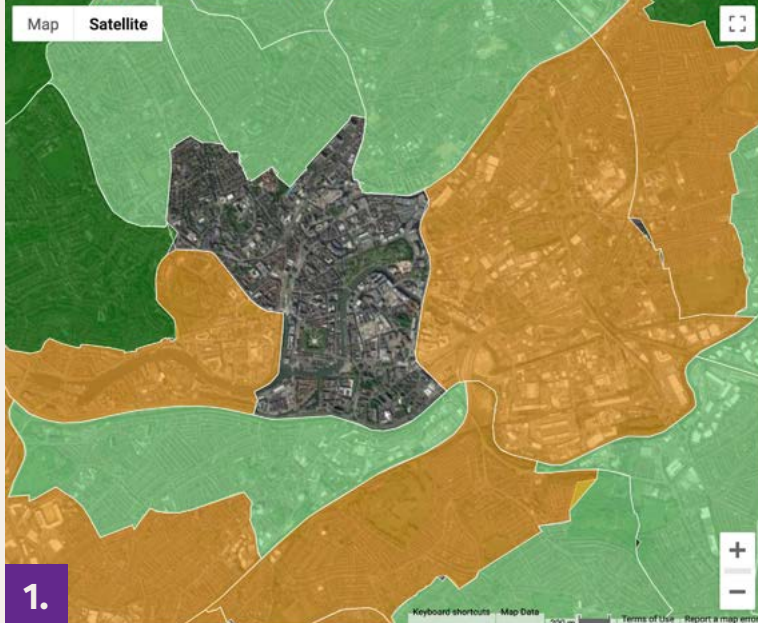
‘GIRLS AND WOMEN DO NOT USE A CITY’S PUBLIC SPACES TO THE SAME EXTENT AS BOYS OR MEN. FROM THE AGE OF EIGHT, 80% OF THE PUBLIC SPACES CAN BE DOMINATED BY BOYS, AND GIRLS FEEL SIGNIFICANTLY MORE INSECURE AND EXCLUDED.’

Her City, UNHABITAT

WHAT IS GREEN INFRASTRUCTURE?

Green Infrastructure (GI): a network of routes and spaces, waterways for wellbeing, water and wildlife. Including outdoor environment, buildings and activities. Green Infrastructure (GI) has no boundaries.

% canopy cover from 0 to 14 from 14 to 23 above 23



Region details

Double-click on a region for data

Central

ONS code	E05010892
Sample Ratio	34 / 341
Tree canopy	10.0 %
Standard error	1.62 %
95% Confidence Interval	6.8% to 13.2%
Tree canopy (i-Tree Eco)	6.5 %
Total Land area	223.14 hectares
Canopy area	22 hectares
Canopy/person	12 m ² [2017]
Est. number of trees	5,500 trees
Public trees	2705 Bristoltrees.space
Deprivation score	27.99
CO	0.03 tonnes/yr
NO ₂	0.16 tonnes/yr @ £990
O ₃	1.2 tonnes/yr
PM ₁₀	0.34 tonnes/yr @ £11K
PM _{2.5}	0.06 tonnes/yr @ £6K
SO ₂	0.08 tonnes/yr @ £500
CO ₂ sequestered	66 tonnes/yr @ £4K
CO ₂ stored	2K tonnes @ £100K
O ₂	240 tonnes/yr

Part of

AC 4

Bristol City

1.

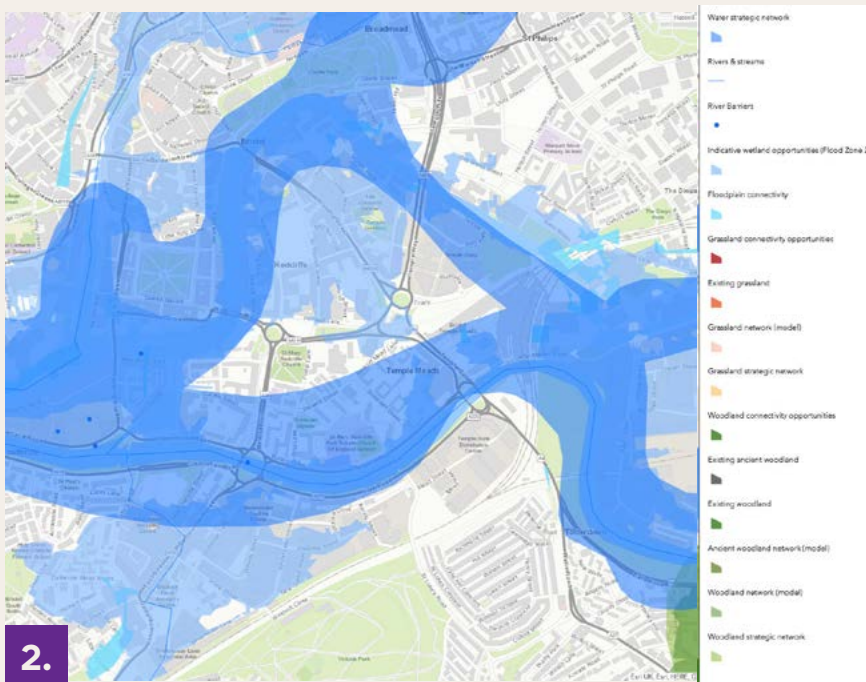
Images:

1. Tree Canopy Cover

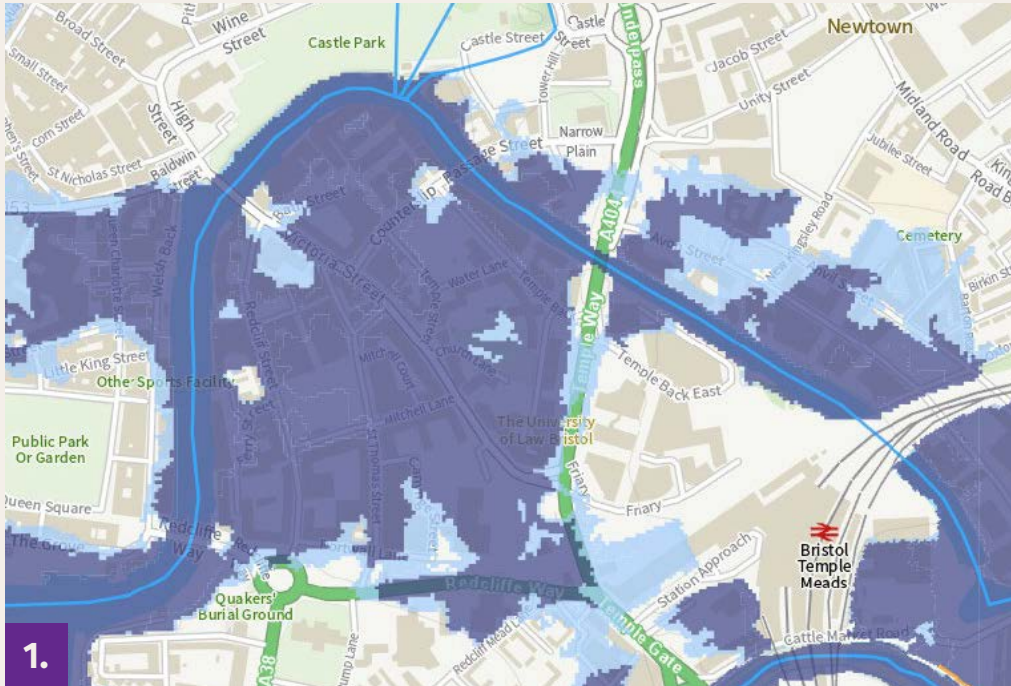
“Bristol ranks as the 5th greyest city in England”. This plan of the Central ward area and forms part of the BID area with data showing extent of tree canopy survey from Bristol Tree Forum, iTree Canopy Cover.

2. West of England Nature Recovery Network

An excerpt of the strategic plan from West of England Nature Partnership (WENP, 2018) of the BID area. The NRN is a joined up network of marine and terrestrial habitats where nature and people can thrive. More than a map, it is an active, adaptive spatial plan that identifies the best opportunities to deliver nature’s recovery.



2.



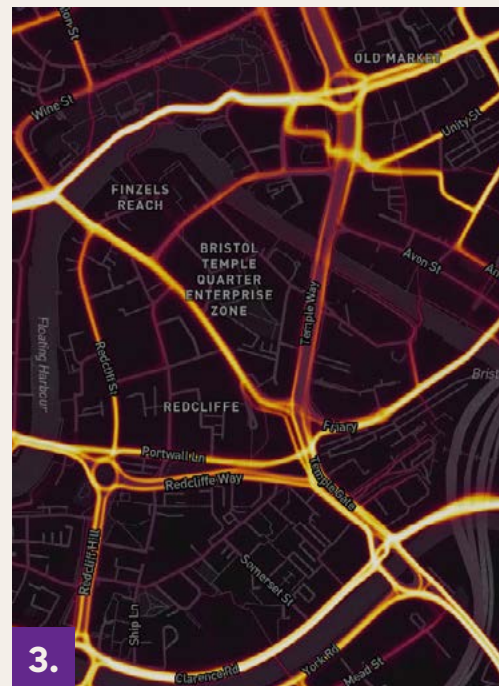
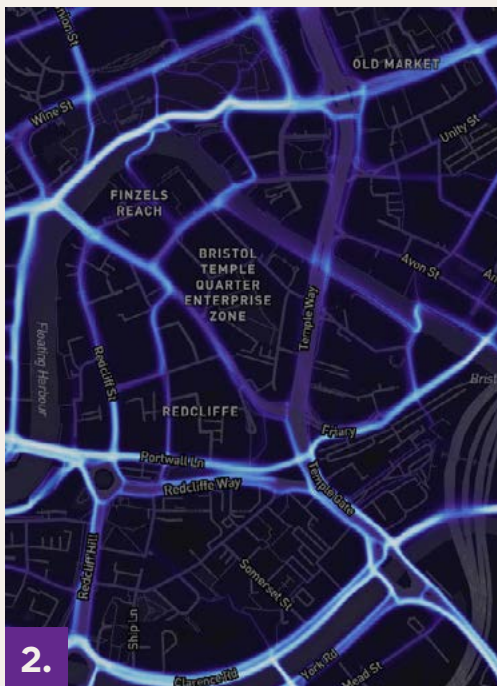
Images:

1. Flood Risk Zone

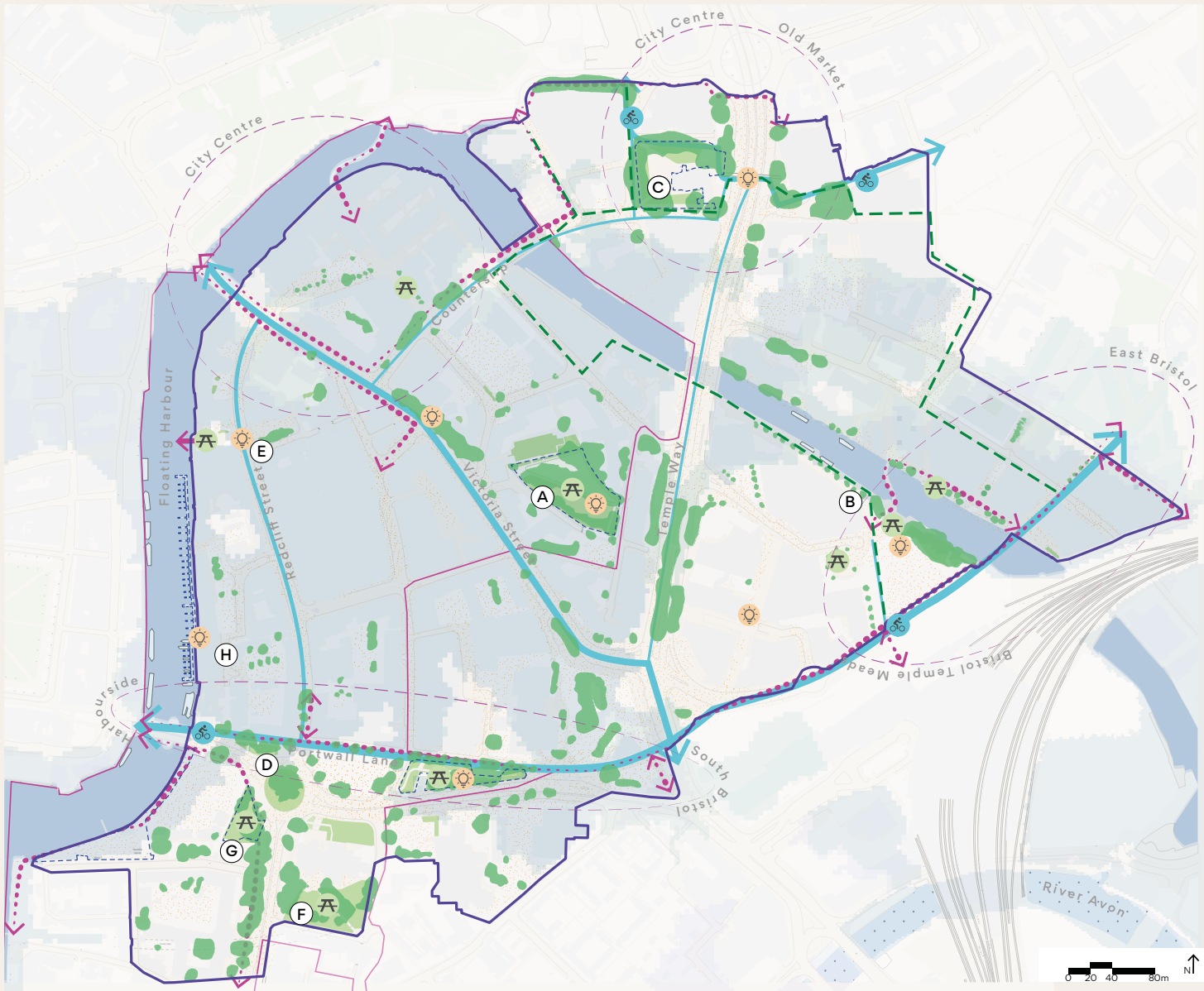
The Environment Agency’s plan shows the BID within a large extent of high Flood Risk Zone 3. For a future resilience against flooding, for example, retrofit Sustainable Urban Drainage (SUDs) on streets, green roofs for storage etc.

2. Strava Heat map for cycling

4. Strava Heat map for runners



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- Redcliffe & Temple BID Boundary
- Redcliffe Conservation Area (Bristol City Council 2022)
- Bristol City Council Parks and Gardens (BCC 2022)
- River Avon National Trail (Ordnance Survey 2022)
- Popular cycle routes (Strava, 2021)
- Popular pedestrian routes (Strava, 2021)
- Existing trees with extent of canopy (BCC and Aerial Photo, 2019)
- Existing Vegetation: grass, shrubs, herbaceous (BCC and Aerial Photo, 2019)
- Sites of Nature Conservation Interest (BCC 2022)
- Local Wildlife Corridors (BCC 2022)
- Flood Risk Zone 1 and 2 (BCC 2022)
- Heat Vulnerability Areas: south facing, hard surfaces (roads, car parks etc) and buildings (BCC 2022 and Landsmith 2022)
- Popular seating places (Landsmith 2022)
- National Cycle Network (BCC 2022 and Ordnance Survey 2022)
- Routes and Spaces in need of Change
- High foot and cycle movement areas

Key green and access to blue spaces

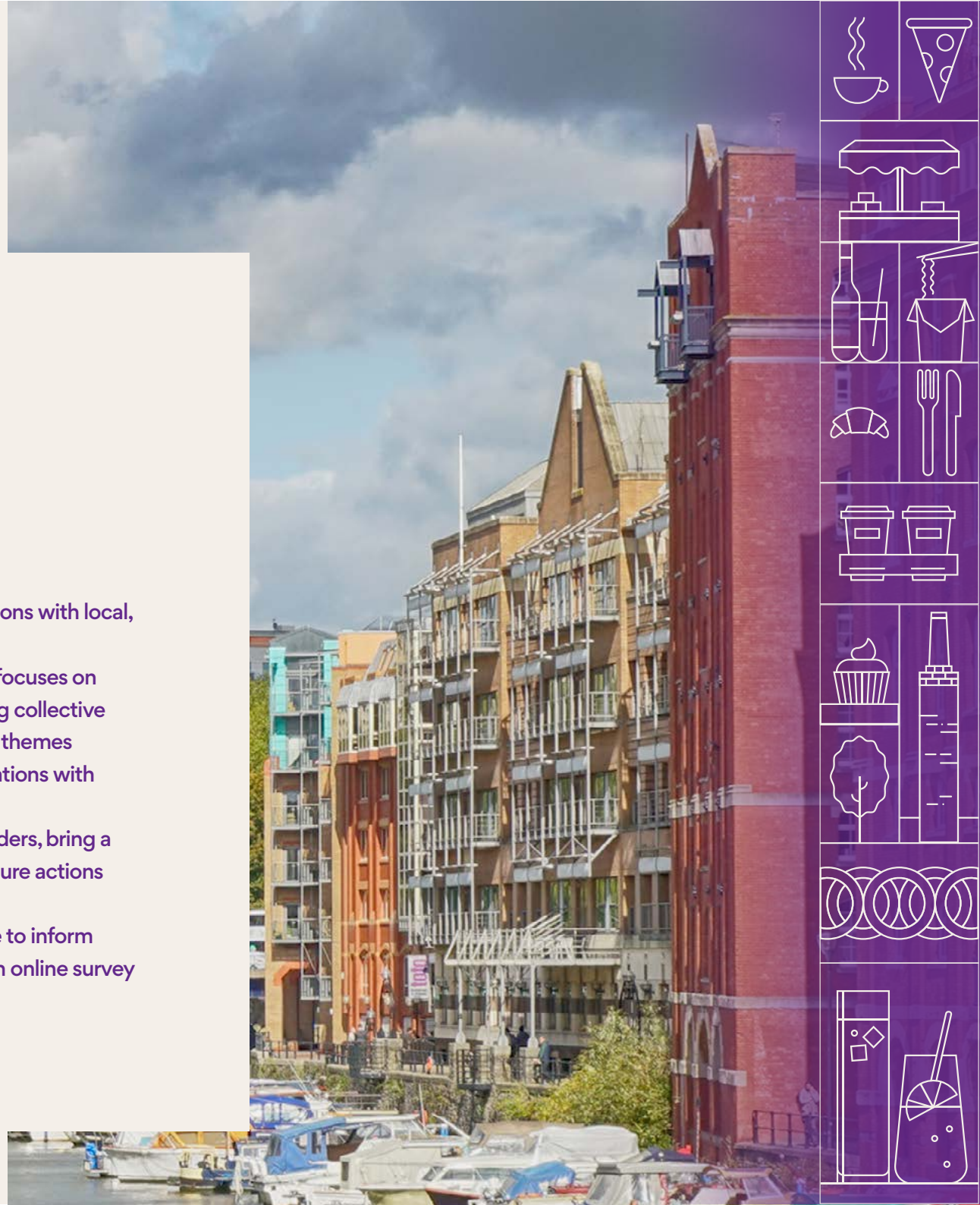
- Temple Gardens
- Temple Quay
- Pip and Jay Church Gardens
- Portwall Lane Gardens/Redcliffe Way
- Redcliffe Street (Proposed Quayside Walkways: King Street Bridge BCC Local Plan, 2011)
- St Mary Redcliffe Church Gardens
- Quaker Burial Grounds
- Passageways to Floating Harbour

STAKEHOLDER ENGAGEMENT

A major part of this project's process was seeking view, ideas, partnerships and learning from stakeholders and interested parties.

Our approach aimed to:

- Align the BID around environmental visions and actions with local, national and international policy and guidance
- Encourage an active, meaningful engagement that focuses on valuing perspectives, quality over quantity, gathering collective experiences, perceptions and interests linked to the themes
- Explore opportunities for partnerships and collaborations with stakeholders, including forming working groups
- To co-create with over 50 participants and stakeholders, bring a sense of ownership and value to the process and future actions and plans
- These workshops' key priorities and outcomes were to inform subsequent activities; three exploratory walks and an online survey



Four key themes were developed to guide the engagement process. These are directly linked to United Nation Sustainable Development Goals (UNSDG'S), national and local policies and guidance, and the BID's business plan. These four workshops were completed in November 2021.

In October 2022 we published our Sustainability Commitment, outlining the six SDGs the BID will focus on:

- SDG 3 Good Health and Wellbeing
- SDG 4 Quality Education
- SDG 8 Decent Work and Economic Growth
- SDG 11 Sustainable Cities and Communities
- SDG 12 Responsible Consumption and Production
- SDG 13 Climate Action

These are now taken into account in this refreshed document.

COOLING CITIES

Average city temperatures could increase as much as 4°C by the year 2100. Cities are already up to approximately 10°C hotter than surrounding areas; this is called the 'Urban Heat Island Effect'. Cities need to cool down to save lives and reduce the impact on the economy and nature.

CREATING SOCIAL SPACES

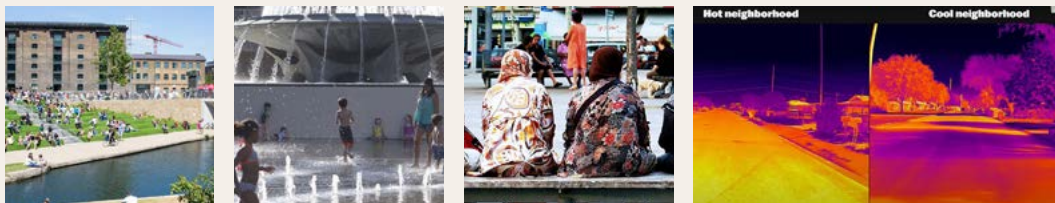
For people to enjoy cities and spaces, they need to feel safe and have a right to a healthy environment. The success of businesses depends on many things, and one of these is providing a safe and secure environment for all.

DESIGNING SPACES WITH WOMEN

Research shows that girls and women do not use a city's public spaces to the same extent as boys or men. From the age of eight, 80% of the public spaces can be dominated by boys, and girls feel significantly more insecure and excluded.

CITIES IN NATURE

There are various opportunities for cities to become stepping stones for nature and to enable wildlife to thrive in urban areas. Nature also supports the health and well-being of the people that live in cities, offering benefits like stress reduction and opportunities for social connection.



KEY OUTCOMES ENGAGEMENT WORKSHOP NOVEMBER 2021

The key outcomes have assisted in informing future projects, schemes and activities, forming new partnerships and the ongoing online survey.

COOLING CITIES

- Develop green living walls (climbers)
- Improve access to the river by adding places to sit and enjoy the water
- Improve communications, awards and events about the scale of the urban heat island effect challenge and highlight good practices to local businesses
- Design a range of places to sit, especially in summer

CREATING SOCIAL SPACES

- Add more trees to make the area more attractive and welcoming
- Activate the street facing windows; create a Window Wanderland event to bring life to the area after dark
- Develop cultural and community partnerships to curate a sense of place and identify passions
- Plan a range of temporary interventions to test ideas e.g. seating and parklets
- Work with key landowners to develop an agreement regarding use of public space, e.g. London Public Space Charter

Over 40 stakeholders participated in the four online workshops in November 2021. The images are a selection of some of the pictures submitted by attendees as part of the workshop process and workshops virtual white boards. Below are some quotes from the workshops:

'Spaces may need to be used/have activity to give a safer feel
-CCTV gives no confidence'

'Make a place feel welcoming to diverse cultures'

'Reach out to businesses in terms of impact they're having on the area - energy bills and temperatures are going to rise'

CITIES IN NATURE

- Connect people with nature via the City Nature Challenge and signage to highlight species
- Create a pilot or demonstration project to show how we can increase diversity
- Map and highlight our local green spaces
- Organise volunteer days in our local parks and greenspaces
- Clean up our river via community litter picks
- Create floating reed beds to encourage nature

DESIGNING SPACES WITH WOMEN

- Develop a range of inviting, fun street furniture and spaces to sit
- Identify and promote safe, well lit, attractive routes around the area and improve signage
- Promote Bristol's Community Toilet Scheme and encourage cafés and offices to sign up
- Create a series of fun art and cultural installations, and Improve street lighting



EXPLORATORY WALKS FEBRUARY 2022

Building on the themes from the workshops, exploratory walks took place to further explore the BID area with stakeholders.

Increase biodiversity and variety of planting species in existing green spaces and under trees - 'Nibble' at reducing hard landscape and create shade, make the area more visually pleasant, diversify surfaces of high rise buildings, increasing planters / green walls and structures, encourage residents to contribute to greening, e.g. by making a balcony competition.

Introduce lighting in Temple Gardens similar to Victoria Street to make it feel safer and interesting lighting to ground floors of buildings.

Play and artwork to make people smile and add identity to the area, sculpture, interaction and identity.

The ambiguity of access, ownership and identity e.g. Cheese Walk, reveal hidden places and alleyways. Lack of defined entrances

Over 25 stakeholders participated in the three exploratory walk in three parts of the BID area in February 2022. The images are a selection of some of the pictures from the walks. Below, are a series of quotes from the walk:

'It's nice to be in this part of the city early in the morning, a different experience'

'If I walked down this area, I'd feel like I am trespassing'

'It would make me want to walk down here if the space felt more green'

and gateways and a sense of destination also needed linking to identity character - creative signposting, local walks and heritage.

Maximise use of the waterfront - an under-utilised asset. Making the most of the waterfront and riverwalk, which are enjoyable for pedestrian footfall and events.

Importance of permissive culture to allow mixed, spontaneous and organic uses of the space.

Create more places to sit and visit during the lunch hour - work with local businesses and seek sponsorship for seating. Trial temporary seating area via pop-up seating solutions in public spaces and parks

Deliver larger scale ambitious projects working with Bristol City Council landowners/businesses.

KEY DECISION MAKING FACTORS

The success of a project, event or activity could be impacted by decision-making factors.

Achieving BID vision and aims

The BID's vision has a framework of aims and objectives that any new project needs to support and link to.

Land ownership and permissions

Clarity on who site ownership and control of land; detailed mapping of request would be advantageous and speed up the process. Projects that require input from various parties, particularly planning, highways or permanent structural changes, will take longer to deliver and be more costly. However, it will more likely have a long-term impact.

Existing activities and projects

Link and support existing GI projects and initiatives that will support the BID's goals.

Stewardship and management arrangements

Primarily for physical interventions. BID to check existing arrangements and responsible parties and obtain in-principle support from critical stakeholders for taking schemes forward.

Local political context and permissions

BID and team to consult with Bristol City Council and councillors to understand any likely significant support or opposition to taking a project to site or activity forward.

Finances

Finance is a crucial factor in delivering any project. However, public and political support can assist in progressing the project and obtaining funding for change; more defined elements could be part of fundraising schemes.

Site context

Consider site history, ground conditions, and designations, e.g., listed building designations. It also includes landscape character and broader site context.

Project type and scale

In general, the large in scale, the long term a project will take to be delivered. Sites that are within only soft landscape tend to be easier and quicker to deliver.

Identity and character

Future projects need to positively contribute, enhance, and create the BID's identity, culture, and character related to the wider surrounding area.

Benefits and value

Positive social, economic, and environmental benefits and value of any project is crucial to build climate resilience, improve biodiversity and well-being, for a thriving BID, city and wider surrounding area.

NEXT STEPS

In July 2022 a Public Realm Working Group was formed to advise and guide the BID, this groups meets quarterly to review progress against the key priorities identified.

Since the publication of this action plan we have undertaken a number of steps to make progress on a number of projects.

Projects ongoing (February 2023)

- Developing a Design Brief for the redevelopment of Temple Way Underpass to aid our application for Community Infrastructure Levy funding.
- Organising volunteer lunchtime gardening sessions via the council's Park Work offer.
- Partnering with English Heritage on improvements to Temple Gardens
- Hosting a Bristol Light Festival installation in Temple Church to draw visitors to this relatively unknown space in the city.
- Working with traders on Church Lane to improve this space and the entrance to Temple Gardens.
- Seeking opportunities to improve the Temple Quay estate by adding more seating and colour
- Investigating opportunities to add more trees to Redcliffe and Temple.
- Seeking opportunities for major funding bids to develop longer term plans for the area.

Page 20 contains a record of projects completed and those currently on hold or that we have not been able to proceed with at present.

An informal mechanism is required through which proposals and projects are quality checked to ensure they meet the precepts of the vision and aspiration for the area and City.

Six key questions to be asked for any project:

1. Does this support the BID's vision and the city's aspirations?
2. Would it benefit health and well-being, climate resilience (UN SDGs) and assist nature to thrive?
3. Can the project link, support or partner with existing neighbourhoods, groups, projects, events and activities?
4. Does it strengthen the identity and character of the area and help it achieve the Healthy Street indicators?
5. Does it require permission and who are the landowners?
6. Are there funds and resources short, medium or long term to deliver, manage and maintain long term?

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-  **Redcliffe and Temple BID Boundary**
-  **Existing Trees**
Protect and enhance existing mature trees for prosperity; health, flood and ecology
-  **Potential Location of Proposed Street Trees**
Counter urban heat island effect (UHI), increase diversity of plant species and canopy cover; dependent on due diligence check
-  **Proposed Priority Green Infrastructure**
Multi-functional network and spaces; opportunities for sitting, segregated cycle ways and improved pavements, nature led flood mitigation, enhanced lighting and opportunities for play and fun, safer more attractive routes and spaces for all
- Climate Action Programme**
For example, urban greening, communication around retrofit, good practice and events for businesses on climate change and adaptation, public art to inform, play and fun etc
-  **Nature-led Flood Mitigation**
Priority areas for nature-led sustainable urban drainage interventions from street to buildings
-  **Cool Routes and Spaces**
Potential areas of shade at midday could include seating, play, activities etc
-  **Reveal Spaces and Routes**
Enhance and increase signage to the waterside, public art opportunities and trails, potential to be part of a quiet spaces for rest and historic exploration
-  **Replant Redcliffe and Temple**
Revert hard surfaces to planted area to reduce impact of UHI and flooding, increase well being and enhance wildlife
-  **Social spaces**
Enhance and expand diversity of seating and introduce playfulness, improve lighting and create safer spaces
-  **Wildlife and Wellbeing**
Increase biodiversity of planting and introduce new planting area for nature and people
-  **Water Wildlife**
Partner with groups and organisations to enhance water quality, support wildlife
-  **Potential Pop-up Spaces**
Pop up activities such as 'lunch' street, markets and parklets, play spaces

Priorities Green Spaces for Improvements:
Increase biodiversity through planting and maintenance for people and nature, provide sensitive seasonal lighting, encourage public art and play/fun, create more climate resilient spaces

-  Temple Gardens
-  Temple Quay
-  Pip and Jay Church Gardens
-  Portwall Lane Gardens/Redcliffe Way
-  Redcliffe Street
-  St Mary Redcliffe Church Gardens
-  Quaker Burial Grounds
-  Passageways to Floating Harbour

SHORT TERM

Following the engagement a series of events, activities and projects were suggested for the BID to take forward over the next three years. In this context, potential short term is in operation between a day to six months, could also occur annually.

DEVELOP A COMMUNICATION STRATEGY ON THE IMPACT OF CLIMATE CHANGE AND ADAPTATION FOR BUILDING OWNERS AND BUSINESSES

For example, explain what businesses can do and highlight best practice through tours, events and talks.



POSSIBLE RESOURCES NEEDED:

- Interactive web-based mapping to input information and open data
- Programme for tours, events and talks
- Public art curator from windows to features
- Volunteers, landscape architects, furniture designers, comms., graphics, transport / highways engineer, etc.

ACTIVELY SUPPORT EXISTING PROJECTS-AND FOSTER LINKS WITH COMMUNITY ORGANISATIONS AND GROUPS

For example, create short films from residents and workers about nature in the area, run expert talks, install bird and bat boxes(with webcams).Support the Temple Gardens Project and City Nature Challenge.



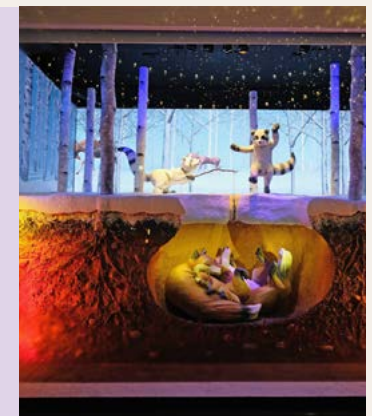
CREATE A SERIES OF VOLUNTEER DAYS AND LINKS WITH COMMUNITY GROUPS TO ENHANCE OUR RELATIONSHIP WITH NATURE

Sessions could include litter picks, gardening, bulb planting and 'big picnic' events. Volunteer sessions should include opportunities to help the local community neighbouring the BID area.



DEVELOP A SERIES OF PUBLIC ART EVENTS THROUGHOUT THE YEAR

Collaborate with key stakeholders which have the potential to be part of the innovative displays e.g. Winter Wonderland.



MEDIUM TERM

Medium term projects could be in operation between six months to three years, could also occur annually. The duration of these projects will vary related to political context, permission and resources.

CREATE SIGNAGE, VIDEOS AND PILOT PROJECTS TO HIGHLIGHT THE NATURE ALREADY EXISTING IN THE CITY CENTRE

Encourage each business to identify their contribution to nature in the city. (All businesses asked to contribute 30% of their space managed for nature: One City Plan).



“There could be fold-up tables and chairs here that people can help themselves to, placing them where they wish.”

“Nurture a sense of ownership so people can feel more welcome and care for the space”

ENCOURAGE LANDOWNERS TO SIGN UP TO A CHARTER OF LAND ACCESS AND USAGE AND DEVELOP A FORMAL PARTNERSHIP WITH BRISTOL CITY COUNCIL

Develop principles that owners and managers need to follow to ensure that public spaces are safe, accessible, attractive and inclusive. E.g. Public Space Charter, London.



INSTALL TEMPORARY STREET FURNITURE AND PLAY EQUIPMENT. CREATE A SERIES OF POP UP GREEN SPACES, PARKLETS, LUNCHTIME SEATING AND CAR FREE STREETS

Identify and develop a programme of interventions including a variety of different types of furniture, planters and ideas. Involve local businesses and residents to bring life to the spaces.



WORK WITH OFFICE BUILDINGS AND LOCAL HOSPITALITY VENUES TO CREATE A 'BID COMMUNITY TOILET MAP', EXPANDING ON THE EXISTING COUNCIL SCHEME

Encourage cafes, office buildings and hotels to be part of the scheme. Promote the initiative explaining the importance, especially for women and children.



LONG TERM

Longer term projects may exist beyond the five year BID term, however, would have a lasting legacy. In this context, the planning of long term projects could start now.

WORK WITH BRISTOL CITY COUNCIL TO HELP INCREASE BRISTOL'S TREE CANOPY BY 25% BY 2035 (ONE CITY PLAN TARGET)

Identify opportunities for tree planting on public and private land and encourage businesses to sponsor or adopt trees in the area.



“Don't think just for 5 years: think 30, 50. Think of actions for future generations”

“More could be done with the waterfront within the BID area generally, providing cool areas for people to enjoy”

CELEBRATE AND ENCOURAGE PLAY CREATE FUN, DIVERSE AND INTERESTING SPACES TO SIT AND ENJOY

Following the testing of different ideas, commission a series of permanent and temporary seating in different locations Use latest thinking to develop ideas that encourages play and encourages women and young people to enjoy the space.



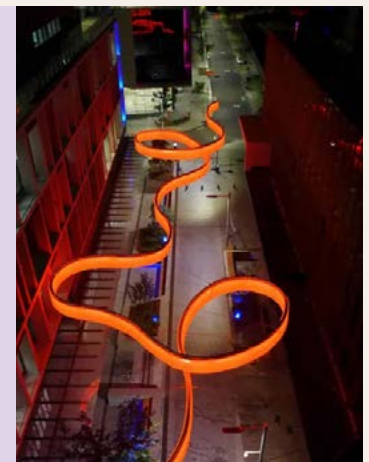
INSTALL A RANGE OF GREENING INTERVENTIONS, CONSIDERING STREETS CURRENTLY LACKING GREEN INFRASTRUCTURE AND THOSE MORE LIKELY TO BE IMPACTED BY FLOODING AND EXCESS HEAT

Include living walls, street gardens, tree lined streets, sustainable drainage systems and biodiversity interventions.



IMPROVE THE WALKING AND CYCLING ROUTES IN BOTH KEY ROUTES AND BACKSTREETS

Work with Bristol City Council to improve the safety of key routes and add signage, art and heritage information. Work with local groups and residents to create a range of interesting features and trails highlighting local history and architecture.



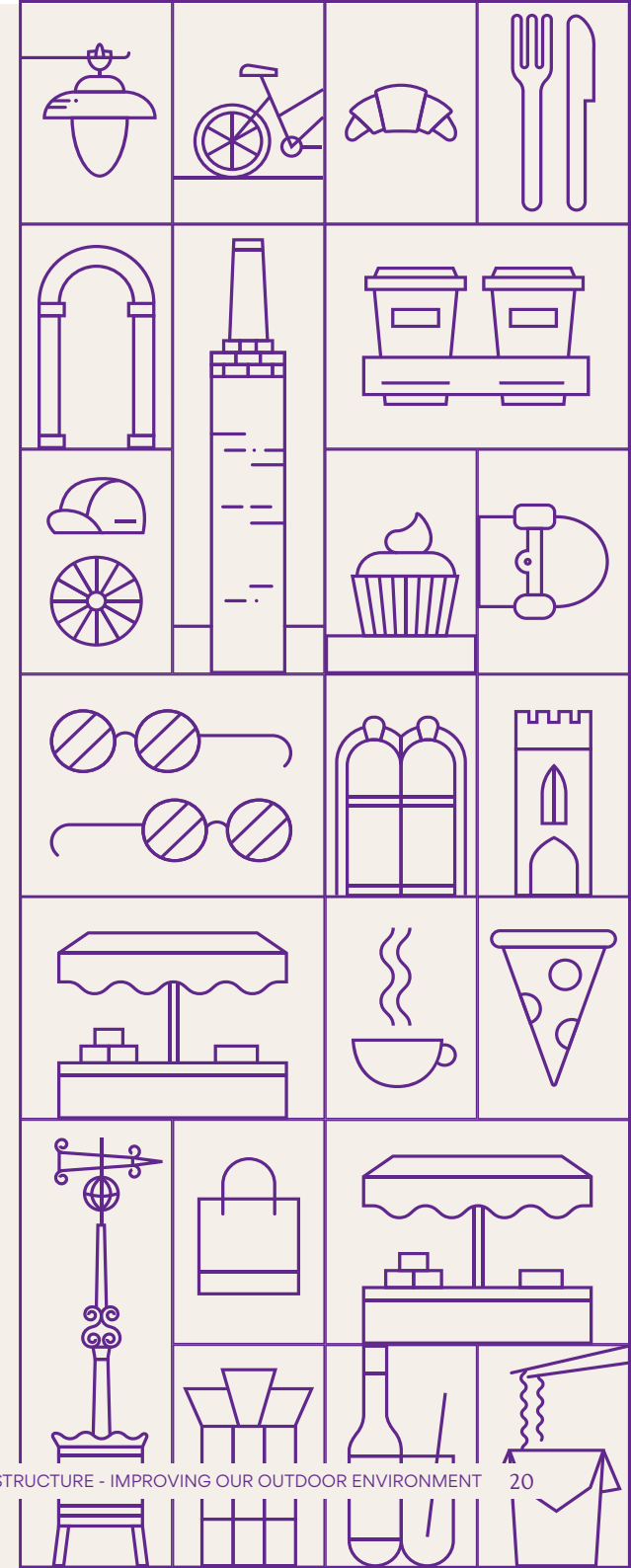
PROJECTS TO DATE

Projects completed since April 2022

- Worked with SustainIT to develop as Sustainability Commitment for the BID area, including a focus on SDG13, Climate Action and SDG3, Good Health and Wellbeing
- Installed new winter lighting in Temple Gardens
- Created a Wildflower Meadow at St Mary Redcliffe Church in partnership with Avon Wildlife Trust
- Sponsored City Nature Challenge – June 2022
- Refreshed our 12 planters on Redcliffe Street and Portwall Lane
- Healthy Streets Practitioner training undertaken and accreditation achieved (October 2022)

Projects on pause or unsuccessful:

- Community Infrastructure Levy applications for Portwall Lane Open Space and Temple Gardens were made in April 2022 but were unsuccessful in being allocated funding.
- Efforts to improve Quaker Burial Ground are on pause due to Parks Department budgets and uncertainty about the redevelopment of the road network surrounding the park.



FUNDING OPTIONS

FUND NAME	DESCRIPTION		TIMESCALES	FUNDS AVAILABLE	LINK
Landfill Communities Fund (LCF) - Entrust	The Landfill Communities Fund (LCF) is an innovative tax credit scheme enabling operators of landfill sites in England and Northern Ireland to contribute money to organisations enrolled with ENTRUST as Environmental Bodies (EBs).	BID	Continuous, to be used within a year	up to £70k	Here
Section 106 and CILs	Contributions can be sought from developers towards the costs of providing community and social infrastructure, the need for which has arisen as a result of a new development taking place CILs require additional funding partner to create a viable project. Section 106 assist in development, construction and maintenance e.g. for trees up to 5 years.	BID	Annual review via BCC	£5 to £50K +	Here
Tree Replacement policy and funds (BCC)	Part of funds associated to Planning Obligation Tree Policy, bested linked with Section 106 maintenance	BID/BCC	Continous	Funds available per tree up to £3,320	
Various Public Art funding options (see link)	For public art funding programme. Various funding sources including the National Lottery Arts Council	BID	up to 5 years	From £10k to	Here
National Lottery Fund - National Lottery Awards for All England and Partnerships	This programme offers a larger amount of funding (over £10,000) for organisations that work together with a shared set of goals to help their community – whether that’s a community living in the same area, or people with similar interests or life experiences.	BID with community groups	up to 12 months to 5 years	£300 to £10,000+.	Here
Clean Air Zone Funding BCC	Charges from Bristol’s Clean Air Zone are collected by government who remove the costs of running the central system. The remaining money is returned to Bristol City Council to cover the costs of operating the zone. We will invest any surplus revenue in improving local transport and sustainable travel options	BID and BCC	Starting post November 2022	To be confirmed	TBC
Community Ownership Fund	The Community Ownership Fund is intended to help ensure that communities across the UK can support and continue benefiting from the local facilities, community assets and amenities, such as local parks and sports facilities, most important to them. The fund is open to community and voluntary organisations with formal governance in place.	Community group in partnership with BID	Round 1 bidding deadline: 19 August 2022 2 more bidding windows before March 2023. Exact dates will be announced in due course	Up to £250,000 match-funded capital will be available for most asset types	Here

FUNDING OPTIONS

FUND NAME	DESCRIPTION		TIMESCALES	FUNDS AVAILABLE	LINK
Small and Major Grants Programme (Road Safety Trust)	<p>The programme has been designed after reviewing our first four years of funding and listening to the views of stakeholders. This told us that there was a need for funding for smaller, local projects with a practical focus.</p> <p>We are looking for measurable interventions that link to local priorities and show a proposed link to reducing casualties either directly or through clear interim measures.</p>	BID in Partnership with Sustrans and BCC or similar set up	Every October	from £10,000 up to £300,000 over two to three years in total.	Here
Habitat Banking	<p>Greater Manchester have funding to are exploring Biodiversity Net Gain (BNG) habitat banking as part of a Natural Environment Investment Readiness Fund (NEIRF) project in conjunction with Finance Earth.</p> <p>Bristol City Council and DEFRA need to build a habitat bank facility to enable the delivery GI with Avon Wildlife Trust</p>	Avon Wildlife Trust BCC supported by BID	TBC	TBC	Here
Community Ownership Fund	The Community Ownership Fund is intended to help ensure that communities across the UK can support and continue benefiting from the local facilities, community assets and amenities, such as local parks and sports facilities, most important to them. The fund is open to community and voluntary organisations with formal governance in place.	Community group in partnership with BID	March 2023. Exact dates will be announced in due course	Up to £250,000 match-funded capital will be available for most asset types	Here
Trees for Streets	Trees for Streets is a not-for-profit enterprise, set up by the charity Trees for Cities, and civic innovator, Start with Local. We're supported by the Mayor of London and funded by the government's Green Recovery Challenge Fund and City Bridge Trust	BID and BCC	Continuous	Per tree - £300 to £600	Here
Corporate social responsibility	A range of mechanisms can be used to work with corporate partners to manage and improve green space. Corporate social responsibility can include both donations (monetary or direct contributions e.g. to develop or use spaces within parks) and volunteers from local businesses, whilst business improvement districts can levy funds to develop green space from local businesses	BID with The Conservation Volunteers (TCV) with Corporate Community Partnership activities	Continuous	linked to SROI	Here

FUNDING OPTIONS

FUND NAME	DESCRIPTION		TIMESCALES	FUNDS AVAILABLE	LINK
Public-Private Partnerships (PPP) with Bristol Water and WECA / Environment Agency for flood mitigation, reduce heat island effect and biodiversity gain etc	<p>Nature based solution retrofit project - flood alleviation This would reduce operational costs for the company and city and provide resilience against the impacts of climate change and urbanisation by providing extra capacity in the combined sewer system.</p> <p>Budget estimate required £3million (based on Greener Grangetown) with cost benefit of a calculated (via Sustainable Project Appraisal Routine (SPeAR) assessment o arrived at an estimated benefit of over £8.4 million over a 30 year period from 2015 to 2045 Mansfield BID with Severn Trent, £76m flood alleviation investment in the town. Mansfield is set to be transformed over the next three years with new sustainable urban drainage systems, that will see communities more resilient against the increasing threat of flooding from climate change, population growth and urban development for years to come in a trial never seen to this scale in the UK before.</p>	BID with BCC - Bristol Green Capital may be able to assist Bristol Water, Corpportate Responsibility Funds, Insurance companies, Pension Sector	Emerging and to be explored	To be explored	Here Here
Public-Common Partnerships (PCPs)	<p>PCPs require co-ownership and co-governance of an asset by three distinct but mutually supporting groups:</p> <ol style="list-style-type: none"> 1) relevant state authorities such as council representatives or landowning public bodies; 2) a 'Common Association' comprised of community members, residents, local business owners, and consumers; 3) project specific stakeholders such as union representatives and relevant experts. 	BID with community groups and	Emerging and to be explored	To be explored	Here
Mixed soruced funding: Research Grants, also companies with ESG funding including Crowdfunding, e.g. green my door step and sponsorship, funds from Local Enterprise Partnership	<p>Explore possible partnerships</p> <ul style="list-style-type: none"> • University of West of England for research with the BID for urban greening e.g Wellcome Trust, UKRI, • Local Enterprise Partnerships e.g Colmore BID • Crowdfunding and sponsorship for set items e.g. benches, planters, lunch streets, public toilet mapping etc 	BID and various other stakeholders	Emerging and to be explored	To be explored	
SWEEP Investing in Nature for Health project	SWEEP Investing in Nature for Health project: concise summary of the funding mechanisms available for GI and activities provided in those spaces. It includes examples of traditional and alternative funding streams and case studies that highlight their successful application	Mixed	Guidance on funding models and access to funding	N/A	Here

PRECEDENT STUDIES

- (A) Temple Gardens
- (B) Temple Quay
- (C) Pip and Jay Church Gardens
- (D) Portwall Lane Gardens/Redcliffe Way
- (E) Redcliffe Street
- (F) St Mary Redcliffe Church Gardens
- (G) Quaker Burial Grounds
- (H) Passageways to Floating Harbour
- Replant Redcliffe and Temple
- Potential Pop-up Spaces
- Wildlife and Wellbeing
- Water Wildlife
- Social Spaces

GREEN RECOVERY MANSFIELD BID SEVERN TRENT ARUP | 2022

A £76 million project in Mansfield on a range of over 20,000 nature-based solutions changing 15ha hard landscape to soft landscape to protect communities from flooding. The BID is working alongside local authorities, this is the largest project of its kind ever to be attempted in the country. The scheme will be able to store over 58 million litres of surface water – that’s about 23 Olympic-sized swimming pools. Also, reduce flood risk for 90,000 people, create 390 jobs locally, too. A blueprint for how we manage flooding in the future; for a greener, more climate resilient, healthier, create place and attract people to the area, including estimated. £30million wider economic benefits. Funds from Severn Trent and Government’s ‘Green Recovery’ investment plans



Images, left to right Mansfield Green Recovery ©Arup ; Grey to Green Sheffield ©Nigel Dunnet

PROPOSED PRIORITY GREEN INFRASTRUCTURE

Retrofit multi-functional network and spaces; opportunities for green roofs, sitting, street trees including increasing tree canopy, segregated cycle ways and improved pavements, nature led flood mitigation, retrofit enhanced lighting and opportunities for play and fun, safer more attractive routes and spaces for all.

GREY TO GREEN PROJECT SHEFFIELD CITY COUNCIL | 2010

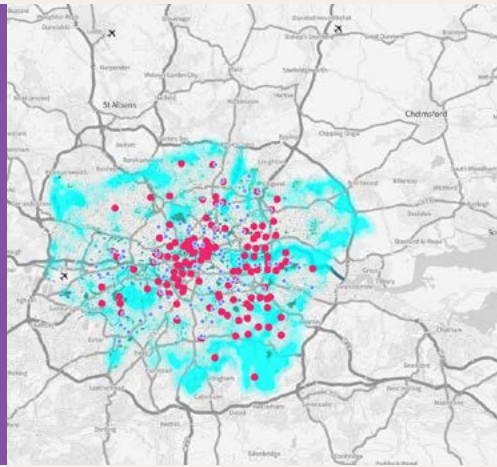
The award winning £9.6 million 1.6km-long ‘green street’ opened in 2020 is a multi-functional network response to flooding in 2008, with further phases with a £20million investment. Positive transformational change of the environment of an important inner city area economic, habitat and wellbeing benefits. Reduction in impermeable areas draining to the combined sewer and cleaned surface water to the River Don (e.g. 1-in-100-year rainstorm, reduced from 69.6 litres/sec to 9.2 litres/sec). Other benefits are increase in revenue and investment the area, large increase in numbers of people visiting, well used segregated cycleways and emerging research in potential insurance premiums reduced. Phase 1 funded by EU and Sheffield City Council



PRECEDENT STUDIES

LONDON COOL SPACES MAP

Identifies water features, outdoor and indoor cool spaces, cooler areas, tree canopy cover and water courses



COOL ROUTES AND SPACES, CLIMATE ACTION PROGRAMME

Potential areas of shade include seating, play, activities, increase tree canopy, urban greening, social spaces, wildlife and wellbeing. Also communication around retrofit, good practice and events for businesses on climate change

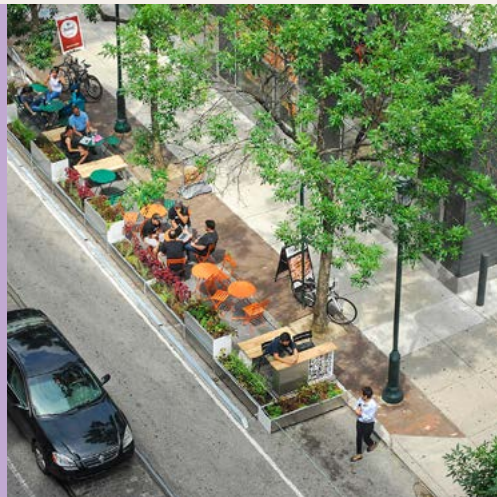
GREEN WALL RETROFIT, ZURICH

Retrofit climbing plants to reduce urban heat island effect, improve air quality and increase biodiversity



PHILADELPHIA SEASONAL PARKLET

A sidewalk extension in Philadelphia reclaim street parking for public uses, under the tree canopies



THE CLOISTER GARDEN, LONDON

Enhanced churchyard space with diversity of sitting with opportunities for people and nature to seek shade



Images, top left clockwise: Cool Spaces Map©GLA, Living Wall©Jakob Systems, Parklet©Shiftspace, Cloister Garden ©Museum of the Order of St John

PRECEDENT STUDIES

GARIBALDI STREET LYON, FRANCE

Using rainwater used for street cleaning during the summer so as to maximise the cooling they deliver through evapotranspiration



NATURE-LED FLOOD MITIGATION AND STREET TREES

Priority areas for nature-led sustainable urban drainage interventions from street to buildings. Counter urban heat island effect (UHI), increase diversity of plant species and canopy cover; dependent on due diligence check

WHITE HART LANE LONDON

Reducing carriageway width, improved permeability for pedestrians, new planted features, reduces flooding and pollution via bioretention.



THE ECONOMIC BENEFITS OF GREEN INFRASTRUCTURE, MERSEY FOREST

The public and business case for investing in Green Infrastructure; a review of the underpinning evidence report



Natural Economy Northwest

The economic benefits of Green Infrastructure: The public and business case for investing in Green Infrastructure and a review of the underpinning evidence

Commissioned from ECOTEC by The Mersey Forest on behalf of Natural Economy Northwest



Funded by

CHICAGO CITY HALL

Refit green roof used for green space for staff and visitors, food growing and flood mitigation and other benefits



Images, top left clockwise: Garibaldi Street ©TDAG, White Hart Lane©Robert Bray Associates, ©Mersey Forest, Chicago Green Roof © Mark Farina

PRECEDENT STUDIES

SANT ANTONI SUPERBLOCK

Toolkit of adaptive furniture, graphic elements and a deployment methodology for the urban transformation of back streets



REVEAL SPACES AND ROUTES

Enhance and increase signage to the waterside, public art opportunities and trails, potential to be part of a quiet spaces for rest and historic exploration

PUBLIC LONDON CHARTER

The Charter aims to ensure that public spaces are safe, accessible, inclusive, attractive, well-connected and easy to understand, well maintained and serviced.



YONGQING FANG, CHINA

A renovation projects of Guangzhou old Alleyways, to create an unique space so new and old residents can linger and mingle



CONNECT (US), PERTH AUSTRALIA

Public art lighting project to guide pedestrian movement through a narrow passageway

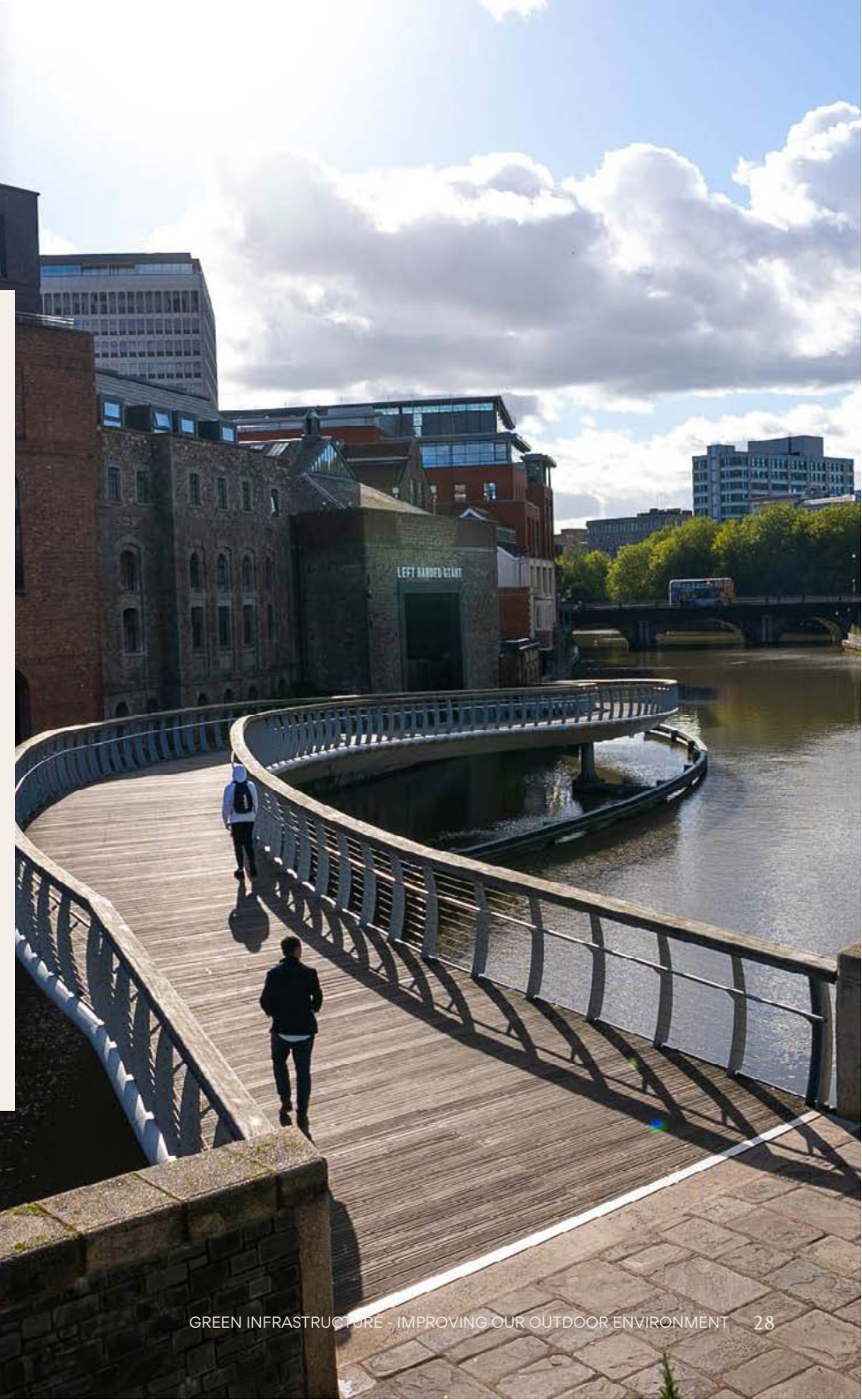


THANKS AND NEXT STEPS

Redcliffe & Temple BID and Landsmith Associates would like to thank all participants for their time and input.

A Working Group was formed in July 2022 to progress the ideas in this report.

If you would like to join this working group or have any questions about this report or the next steps please contact Tom Swithinbank; tom@redcliffeandtemplebid.co.uk



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Issue Date April 2022, updated February 2023

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