



CRC for
Water Sensitive Cities

4th water sensitive cities conference



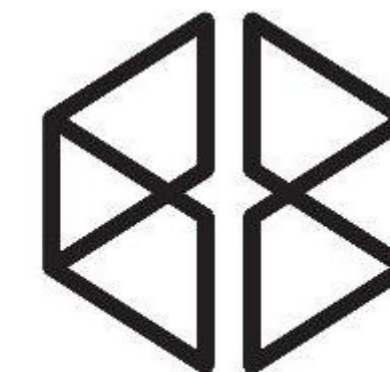
Australian Government
Department of Industry and Science

Business
Cooperative Research
Centres Programme

Informing Urban Planning Decisions- Sydenham to Bankstown Corridor (NSW)

Sue Burton, Executive Officer, Cooks River Alliance
Alejandra Rojas, Executive Planner, City of Canterbury
Bankstown

26-28 March 2019



CANTERBURY BANKSTOWN

CooksRiver
ALLIANCE

What we will talk about

- 1 – Opportunity for change – CRC Water Sensitive Corridor Research Synthesis Project, NSW Strategic Planning Context, Transport Oriented Renewal**
- 2 – Cook River Catchment & Challenges**
- 3 – Precinct Case Study: Campsie Centre & Challenges**
- 4 – CRC Process and early outputs**
- 5 – What we are working towards**

SYDENHAM TO BANKSTOWN RESEARCH SYNTHESIS PROJECT



THE OPPORTUNITY: STRATEGIC PLANNING FRAMEWORK

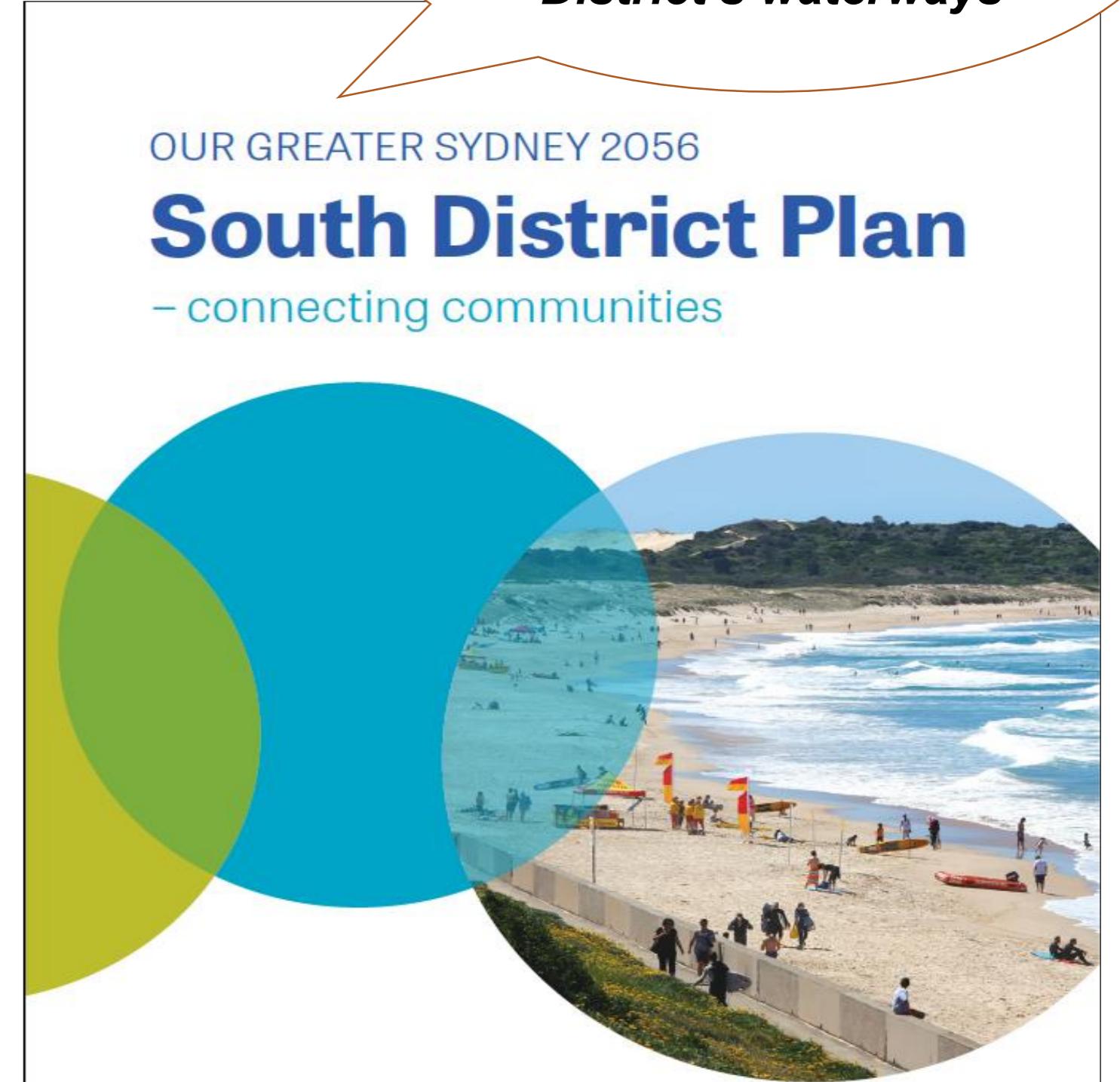
A Water Sensitive City by 2028



City of Canterbury Bankstown
Community Strategic Plan

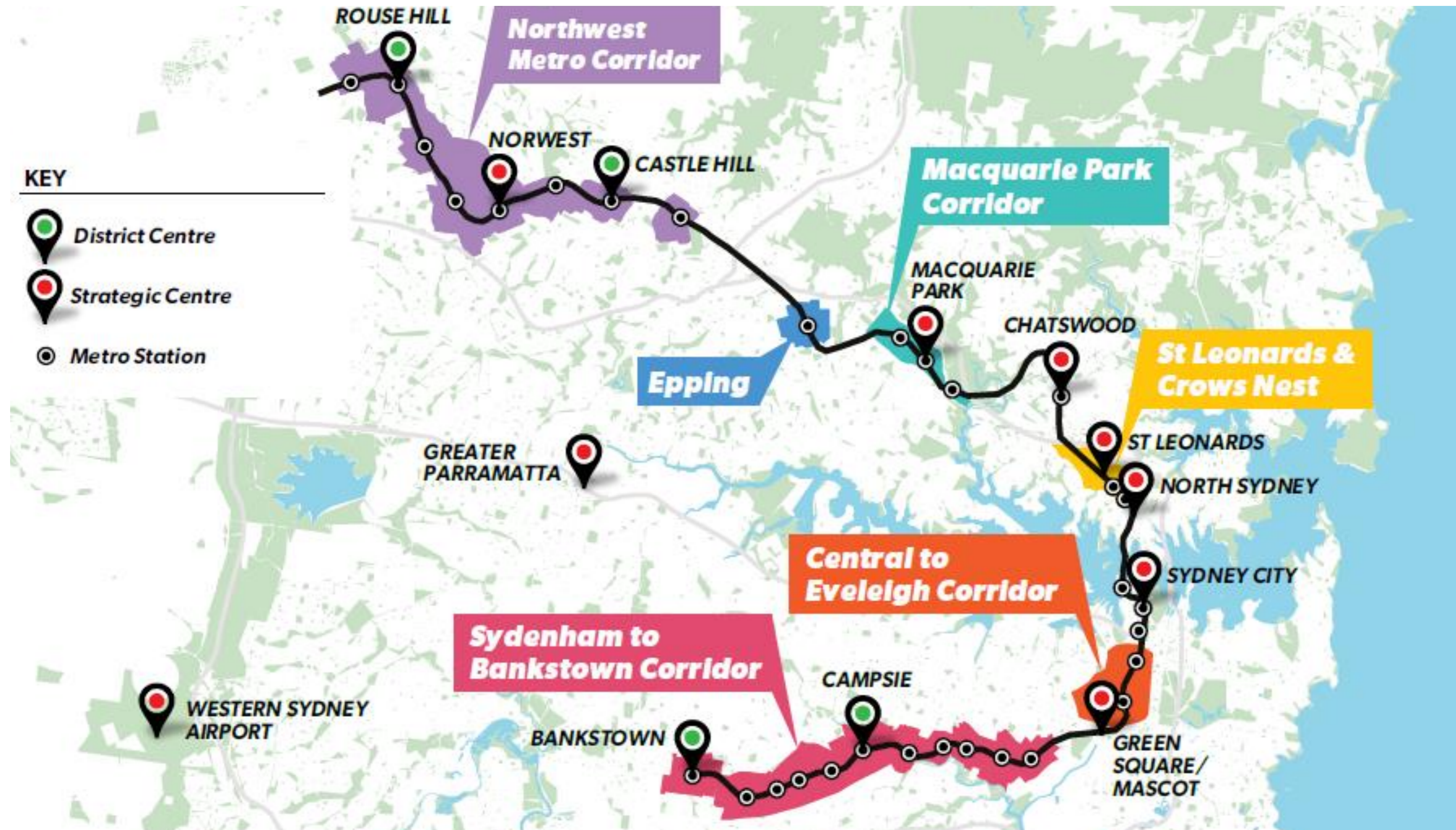


Protecting and improving the health and enjoyment of the District's waterways

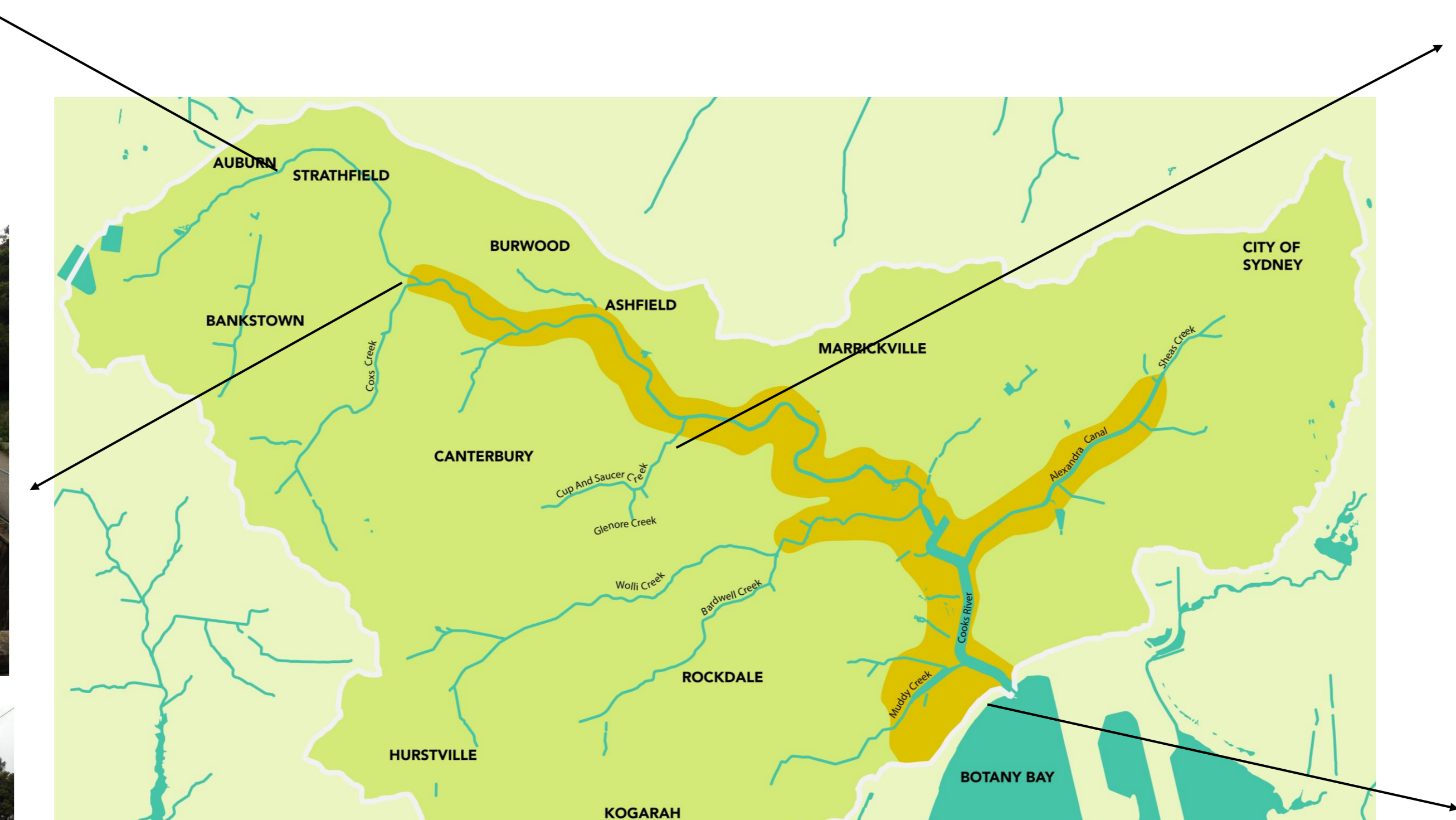
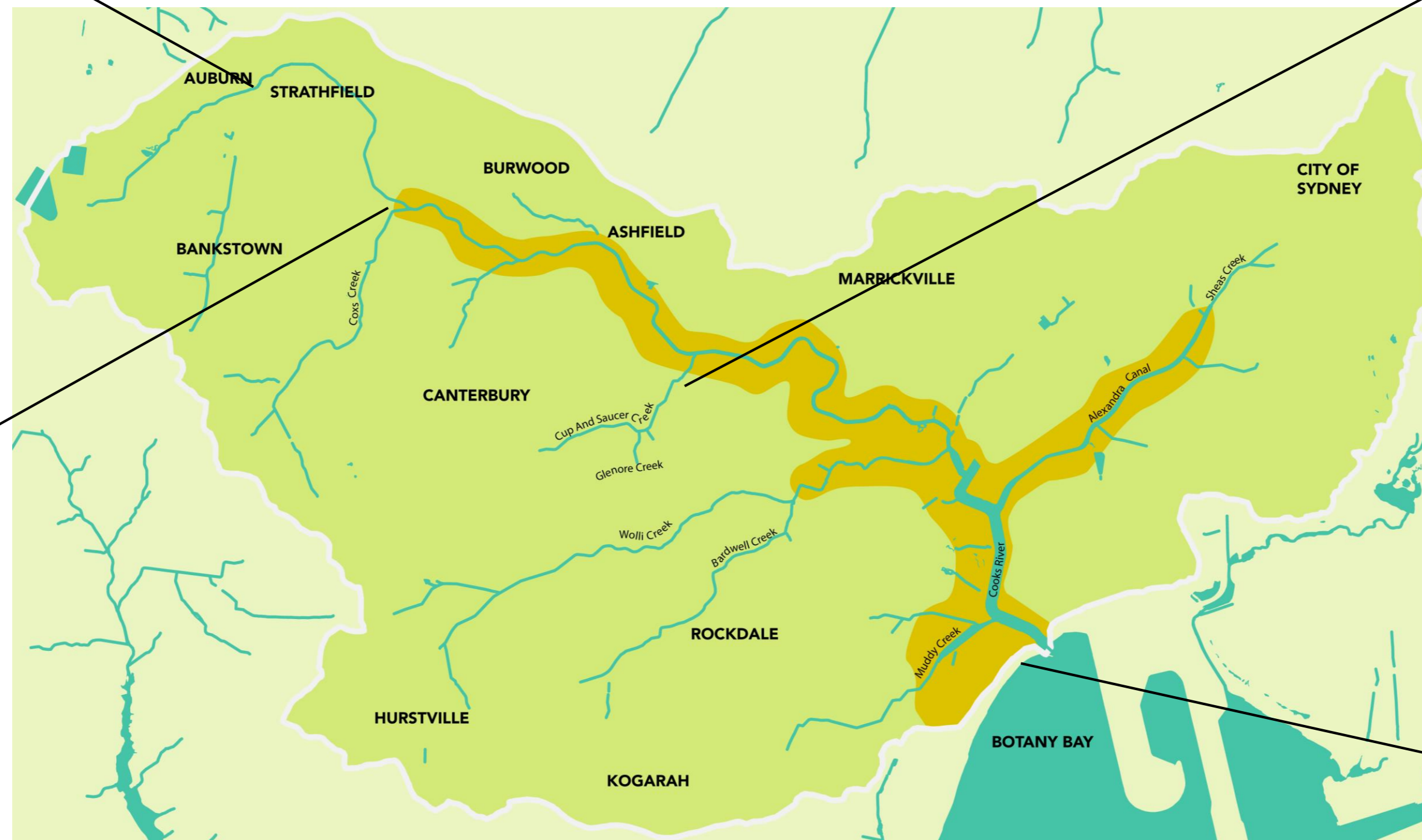


Greater Sydney Commission
South District Plan

THE OPPORTUNITY: TRANSIT ORIENTED RENEWAL



CATCHMENT CONTEXT: COOKS RIVER



Cities



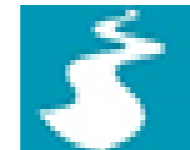
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Cooks River Community Vision 2030

A loved and health river valley enriching the heart of Sydney



A biodiverse river valley supporting a clean river.



Aboriginal ways of thinking are valued from Yana Badu to Kamay.



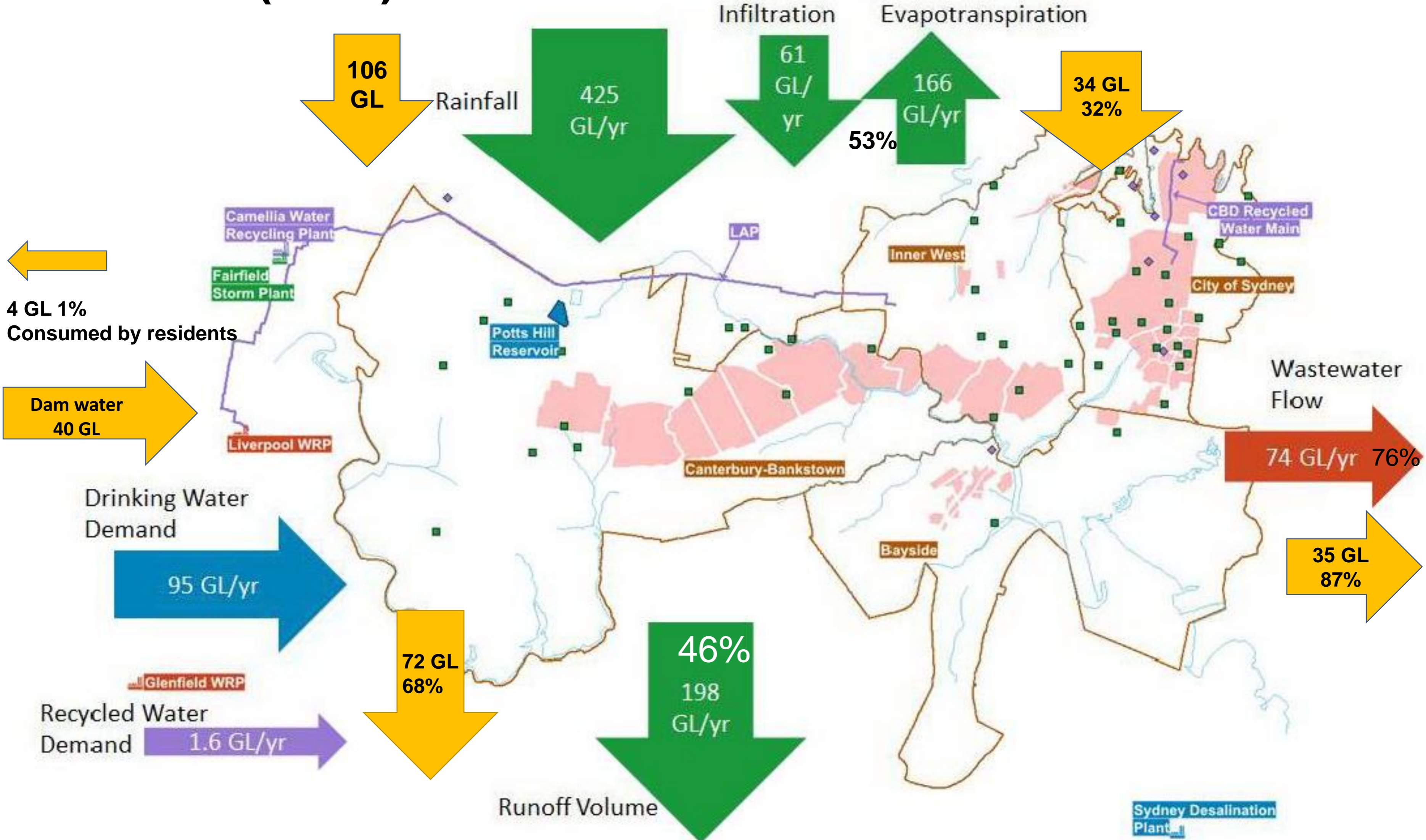
Every community accessing and enjoying the river.



Holistic and cooperative approaches are guiding river restoration.



Comparison of the Cooks River catchment (2014) and Inner South & Central City water balance (2017)



CASE STUDY AREA: CAMPSIE



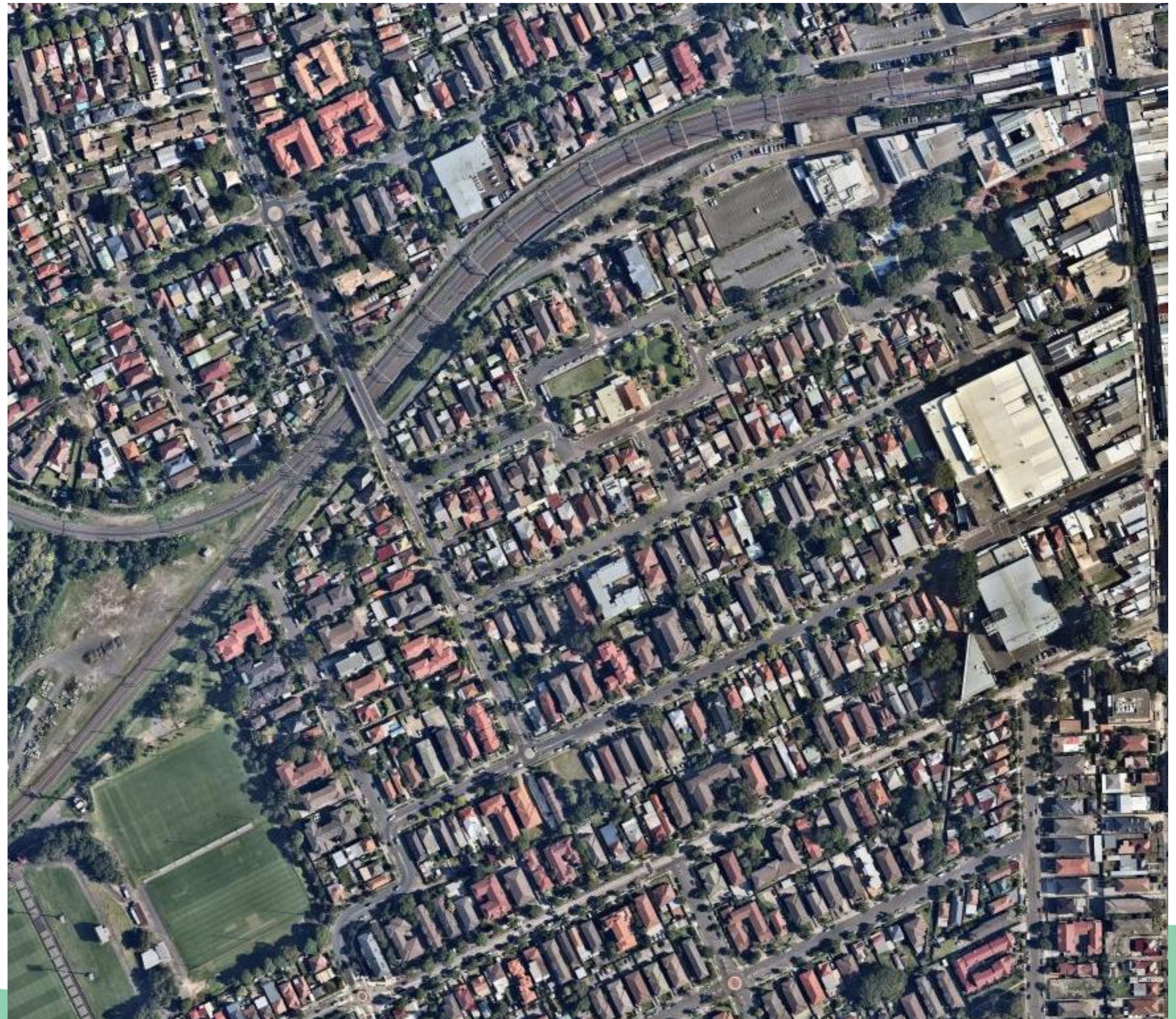


Low visual and physical connection to the Cooks River

Low community connection to water & open space

Lack of green in the centre

Urban Heat island effect



CASE STUDY: CAMPSIE CENTRE – COMMUNITY PROFILE

People



22,822 Residents (2017, ERP)
 85 people/ha
 33 people/ha CBC
 2.9 people per dwelling

Household Type



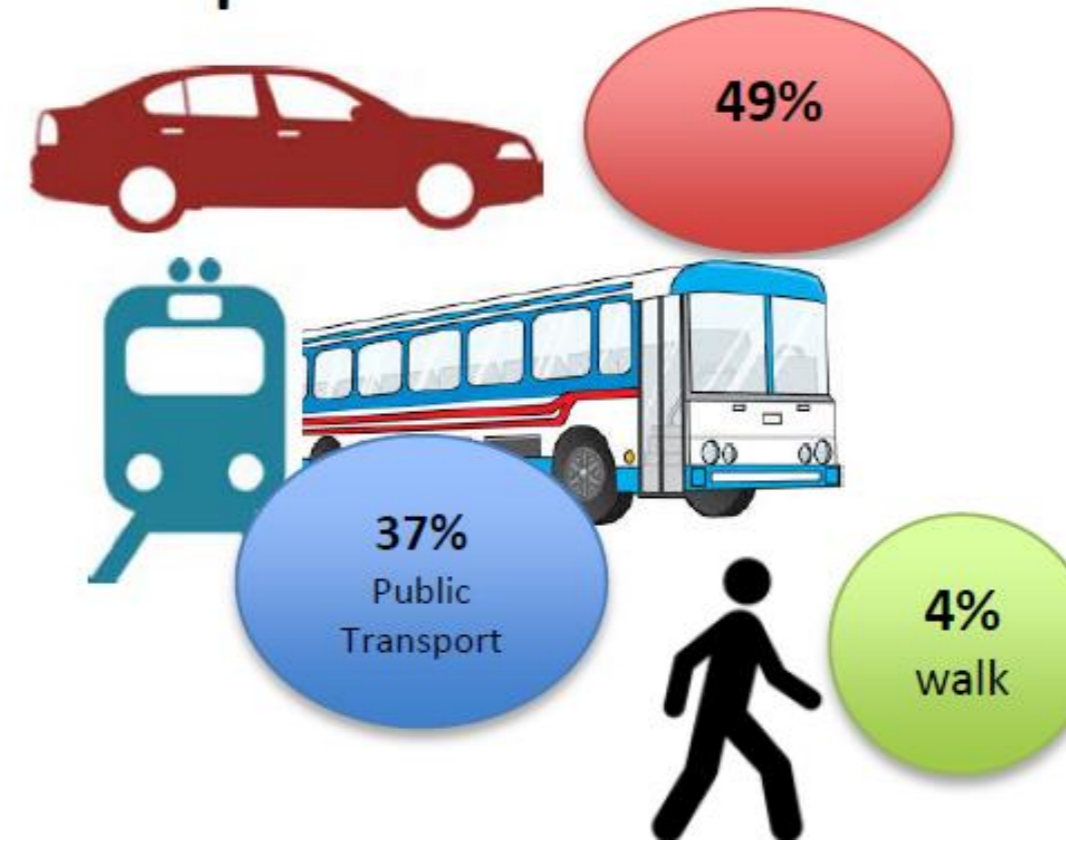
46% Families (couple 34%; single parent 12%)
 16% Lone person
 23% Couple no children
 53% Families CBC

Household Income**



\$1202/wk
 \$1296/wk CBC
 \$1481/wk NSW

Transport Mode



Household Tenure & Dwellings



40% Own/Mortgage 57% CBC
 52% Rent 35% CBC
 7,622 Dws 33% High Density

TOP 5 Ancestry

Chinese
 NEPALESE
 Lebanese
 English
 Australian

72 Cultural/Ethnic Groups

Movement within Centre***



Same Address:
 1 Year Ago - 75% (2015)
 5 Years Ago - 48% (2011)

Jobs and Socio Economic Profile



Labour Force 10,401 (58%)
 9,409 Residents employed
 5,406 Full-time (+705 from 2011)
 3,707 Part-time (+1045 from 2011)
 SEIFA Index/Percentile: 909/11

On ground challenges: flooding, water quality & services



Water system capacity and functional constraints

Wastewater system capacity constraints

Flooding, drainage issues and changing climate

Cooks River poor water quality

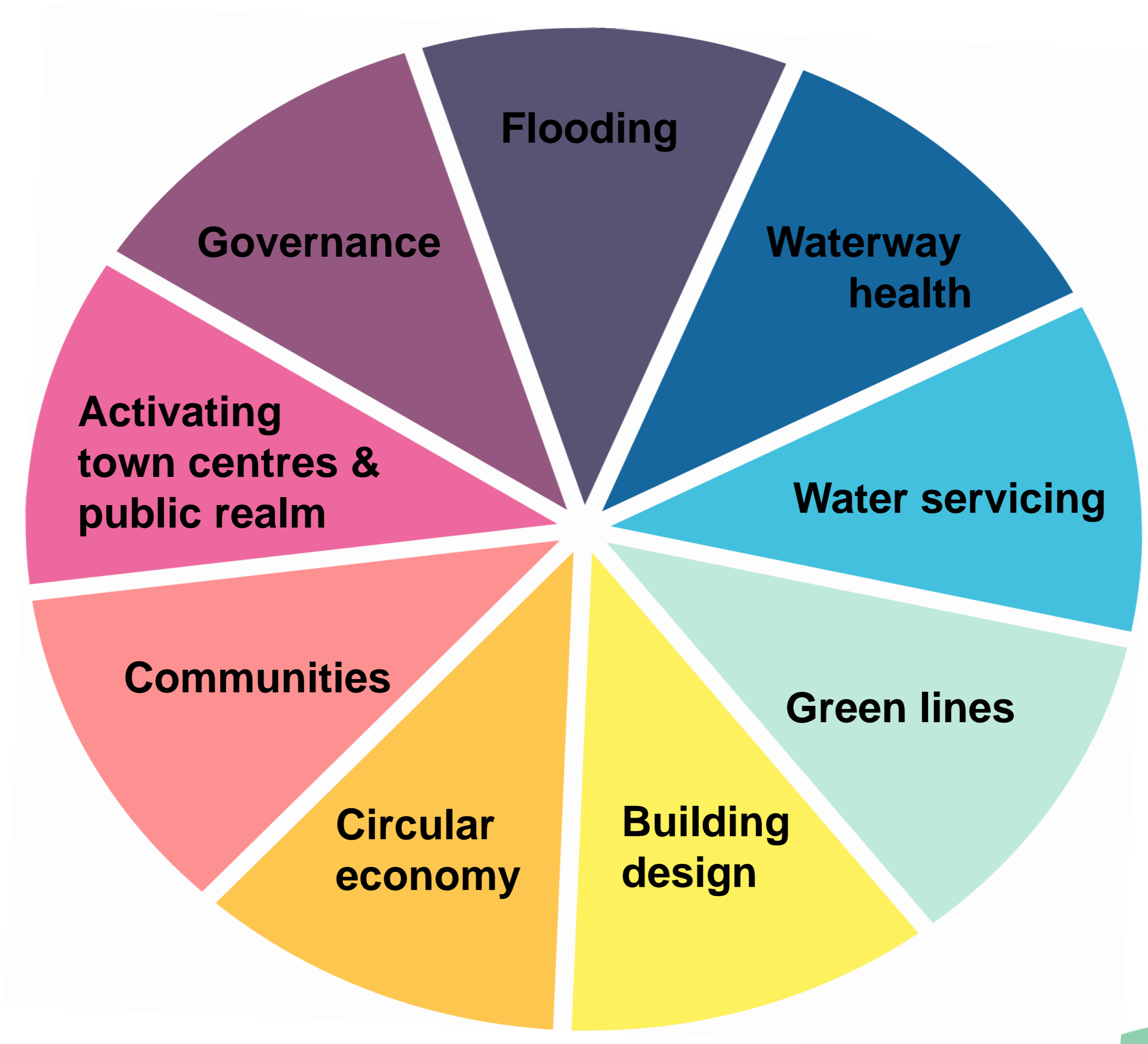
On ground challenges: urban heat



THE PROCESS







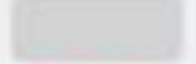





PRELIMINARY OUTPUTS: 9 PRINCIPLES



ON GROUND OPPORTUNITIES

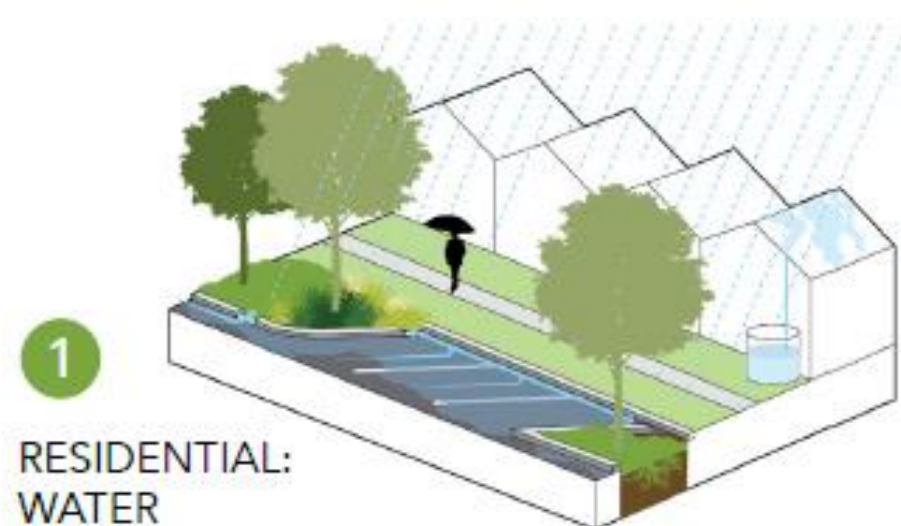


CAMPSIE BLUE-GREEN STRATEGY PLAN

-  LINEAR STREETSIDE WSUDS INTERVENTIONS
-  GREEN PUBLIC SPACE WITH CATCHMENT
-  FUTURE CONSOLIDATION/DEVELOPMENT SITES
-  INTEGRATED WATER MANAGEMENT OPPORTUNITIES
-  WATER INPUT
-  ROAD NETWORK
-  SITE BOUNDARY
-  RAILWAY LINE
-  PEDESTRIAN OVERPASS
-  CAMPSIE RAILWAY STATION



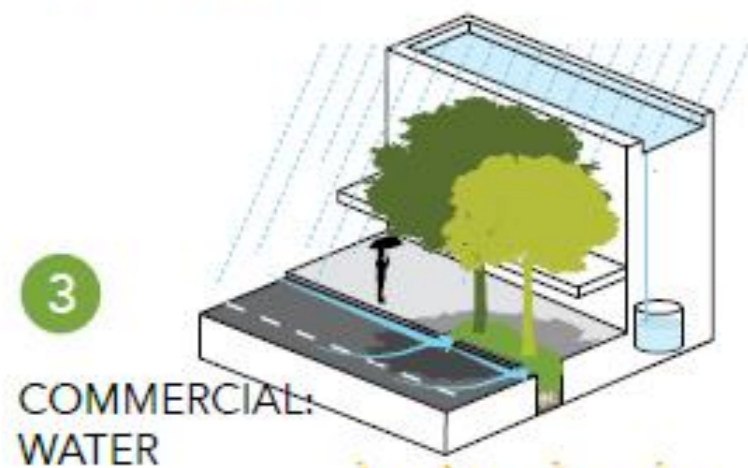
ON GROUND OPPORTUNITIES



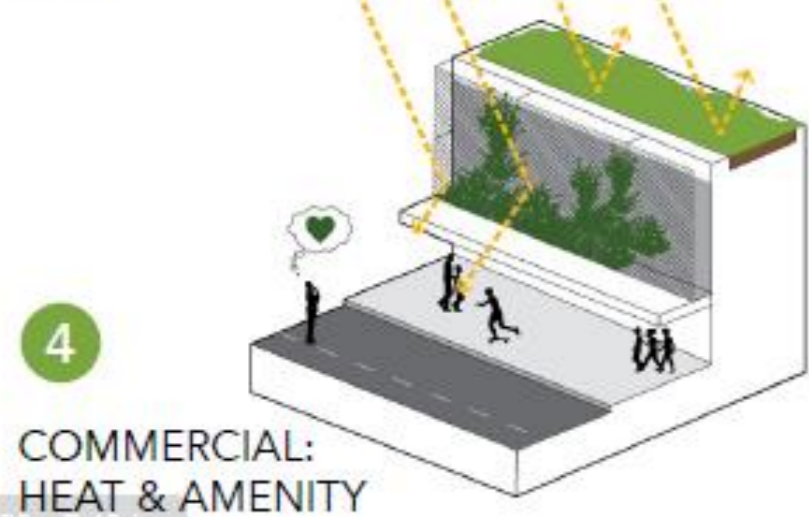
1 RESIDENTIAL: WATER



2 RESIDENTIAL: HEAT & AMENITY



3 COMMERCIAL: WATER



4 COMMERCIAL: HEAT & AMENITY

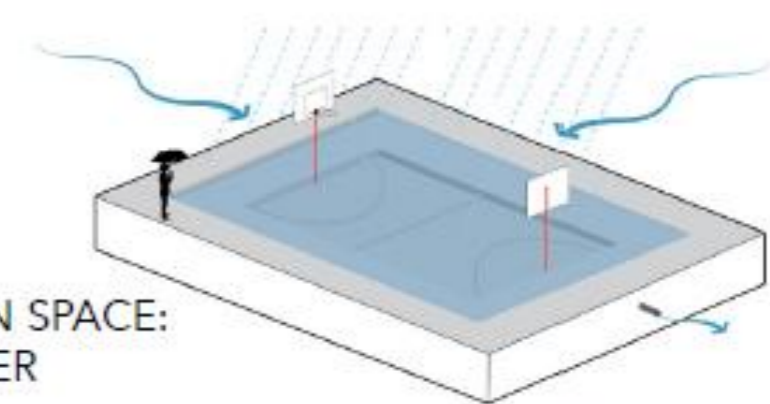
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HIGH DENSITY: HEAT & AMENITY

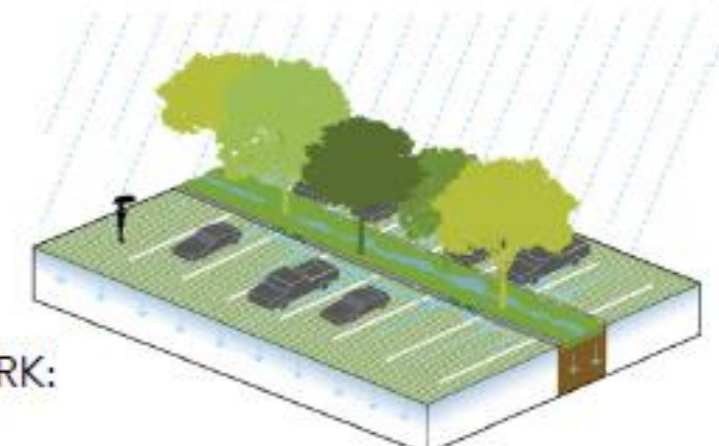


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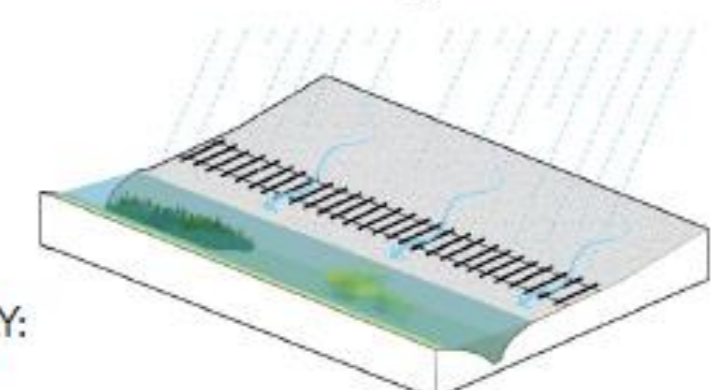
OPEN SPACE: WATER

7



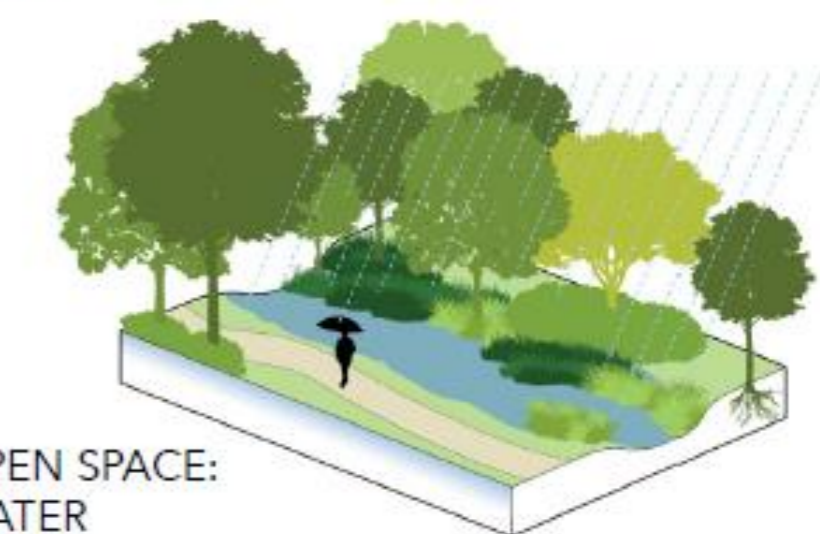
CAR PARK: WATER

9



RAILWAY: WATER

10



OPEN SPACE: WATER

11



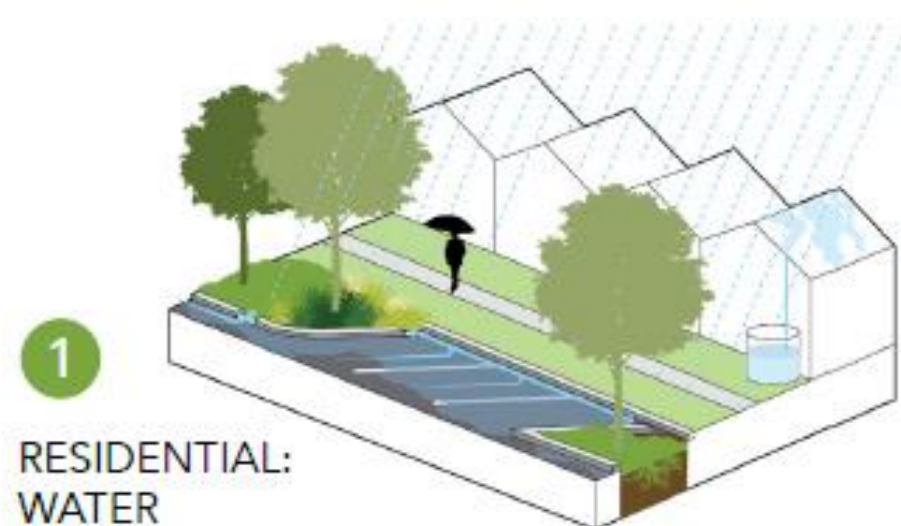
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watersensitivecities.org.au

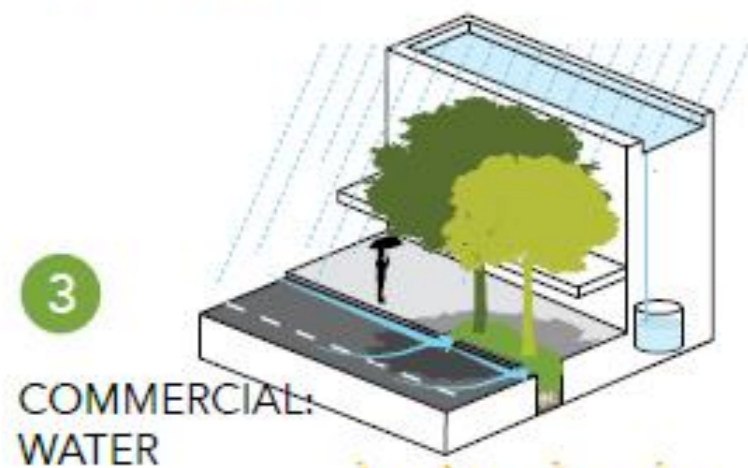
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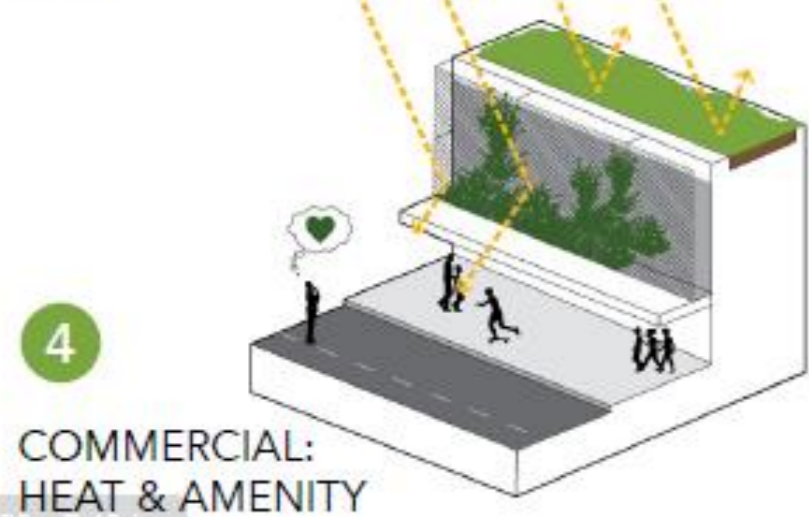
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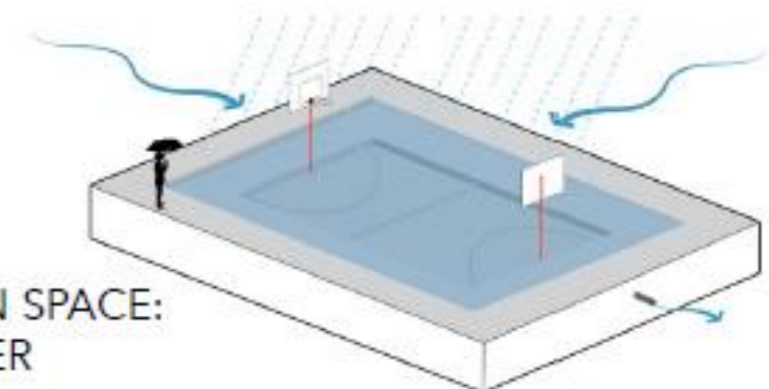
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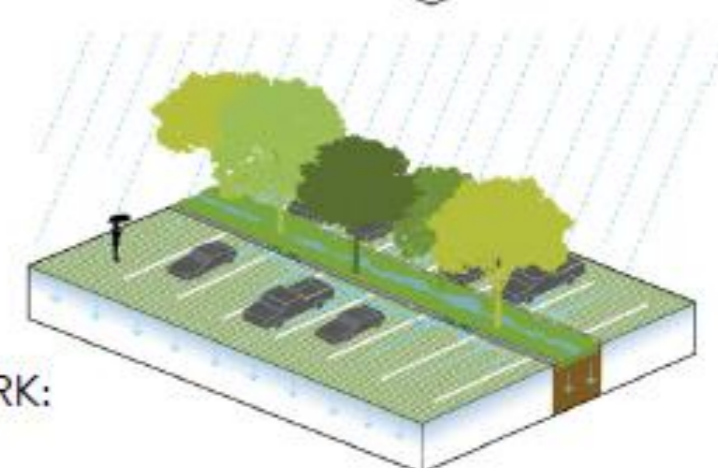


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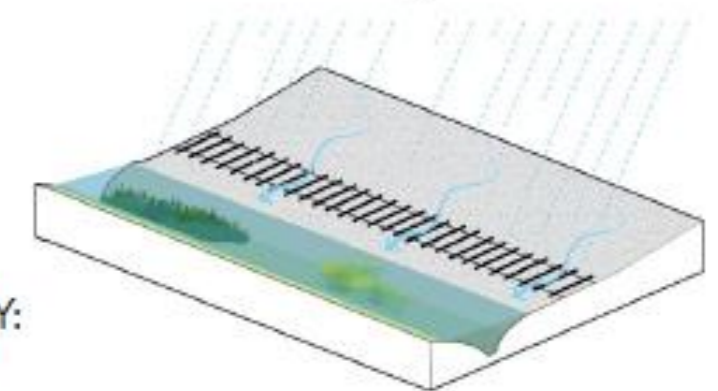
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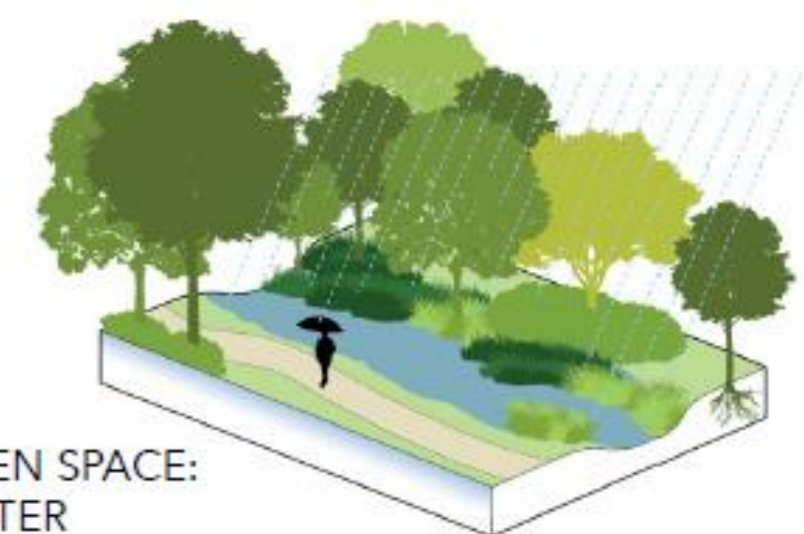
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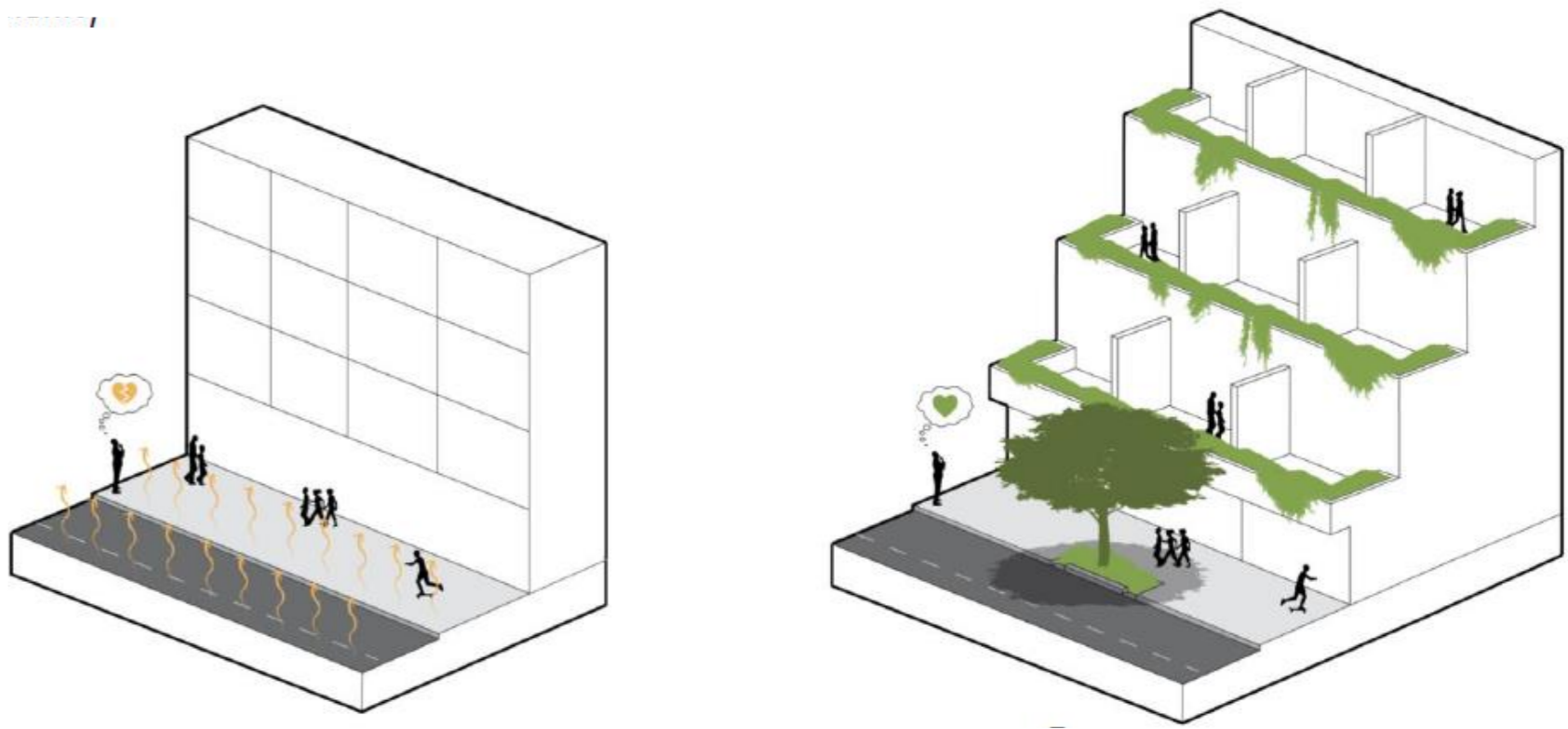
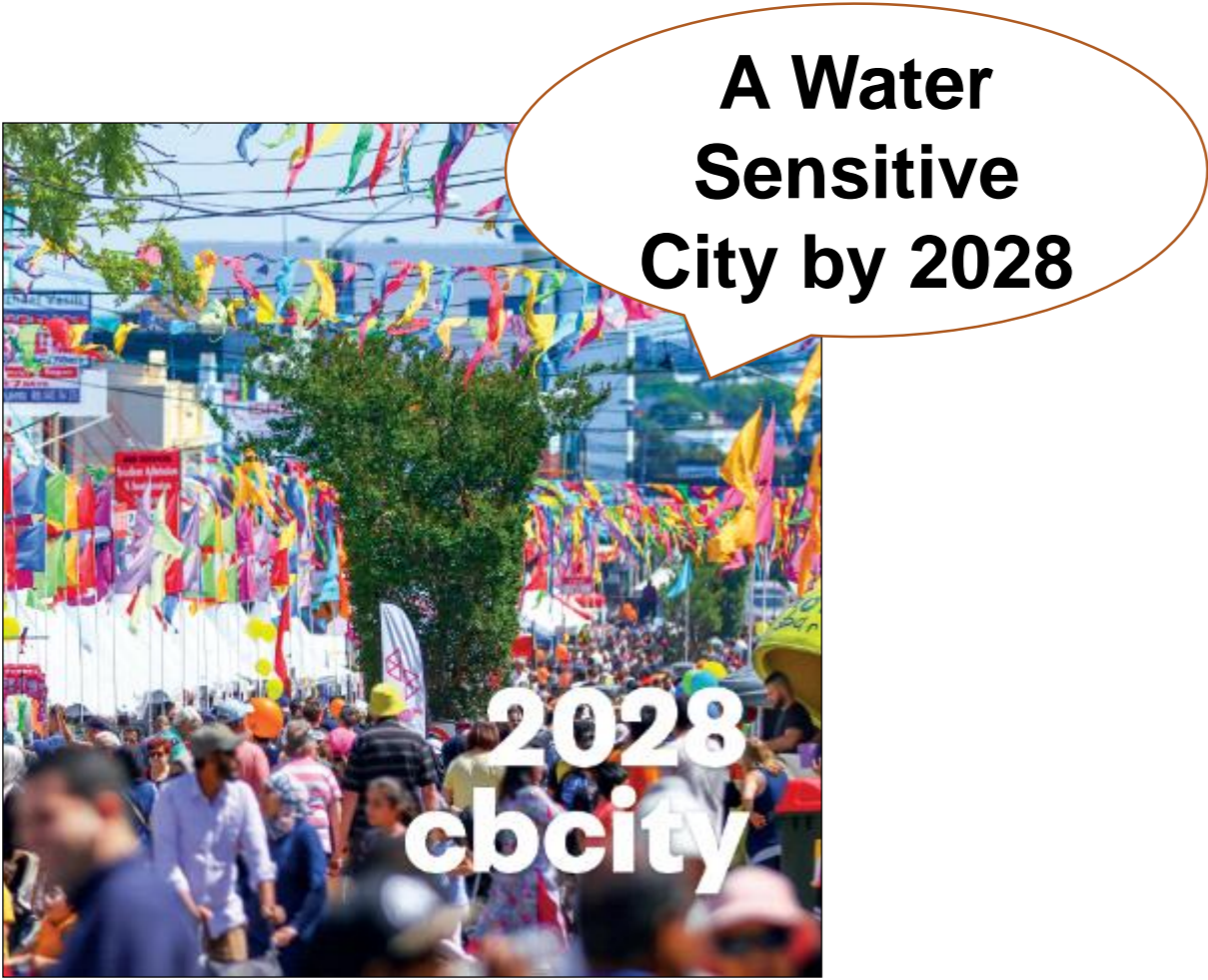


THE VISION FOR CAMPSIE



THE VISION FOR THE RIVER

What we're working towards



Meeting community aspirations for the City and the Cooks River

Embedding water sensitive principles into key planning policy and practice

Implementing practical precinct and street scale application