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

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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
THE OPPORTUNITY: STRATEGIC PLANNING FRAMEWORK

City of Canterbury Bankstown Community Strategic Plan

A Water Sensitive City by 2028

Greater Sydney Commission South District Plan

2028 cbcity

2038 cbcity

Local Strategic Planning Statement

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

OUR GREATER SYDNEY 2056
South District Plan
– connecting communities

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THE OPPORTUNITY: TRANSIT ORIENTED RENEWAL
CATCHMENT CONTEXT: COOKS RIVER
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)

- Rainfall: 425 GL/yr
- Infiltration: 61 GL/yr (53%)
- Evapotranspiration: 166 GL/yr (32%)
- Runoff Volume: 198 GL
- Dam water: 40 GL
- Drinking Water Demand: 95 GL/yr
- Recycled Water Demand: 1.6 GL/yr
- Consumed by residents: 4 GL (1%)
- Wastewater Flow: 74 GL/yr
- CBD Recycled Water Main: 35 GL (87%)
- City of Sydney: 76%
- Inner West: 53%
- Canterbury-Bankstown: 32%

Total water balance:
- 106 GL
- 72 GL (106 GL - 4 GL - 74 GL)
- 34 GL (74 GL - 40 GL)
- 4 GL

Conversion:
- 1 GL = 1,000,000 litres
- 1 GL/yr = 1,000,000 litres per year

Graphical representation of water flow and consumption in the Sydney metropolitan area.
CASE STUDY

AREA: CAMPBELL
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
- 49% Public Transport
- 37% Walking
- 4% Walking

Household Tenure & Dwellings
- 40% Own/Mortgage
- 57% CBC
- 52% Rent
- 35% CBC
- 7,622 Dwellings
- 33% High Density
- 72 Cultural/Ethnic Groups

TOP 5 Ancestry
- Chinese
- Nepalese
- Lebanese
- English
- Australian

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

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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

- Flooding
- Waterway health
- Water servicing
- Green lines
- Building design
- Circular economy
- Communities
- Activating town centres & public realm
- Governance
ON GROUND OPPORTUNITIES

Campsie Blue-Green Strategy Plan

- Linear Streets/DE 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

The diagram illustrates various elements such as the dedicated railway line catchment, retained shopfronts, and the integration of green spaces with water management opportunities. The city's blue-green strategy plan aims to enhance the water-sensitive aspects of the area, promoting sustainable urban development.
ON GROUND OPPORTUNITIES

1. RESIDENTIAL: WATER
2. RESIDENTIAL: HEAT & AMENITY
3. COMMERCIAL: WATER
4. COMMERCIAL: HEAT & AMENITY
5. HIGH DENSITY: HEAT & AMENITY
6. OPEN SPACE: WATER
7. CAR PARK: WATER
8. RAILWAY: WATER
9. OPEN SPACE: WATER

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ON GROUND OPPORTUNITIES
THE VISION FOR CAMPSIE
THE VISION FOR THE RIVER
What we’re working towards

A Water Sensitive City by 2028

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