

Waitai Coastal-Burwood Community Board Briefing
MINUTES ATTACHMENTS

Date: Monday 4 July 2022
Time: 3.01pm
Venue: Boardroom, Corner Beresford and Union Streets,
New Brighton

TABLE OF CONTENTS	PAGE
2. Ōtākaro Avon River Corridor Update	
A. Waitai Coastal-Burwood Community Board 4 July 2022 Briefing Presentation - Ōtākaro Avon River Corridor.....	3

Ōtākaro Avon River Corridor (OARC) Update

July 2022

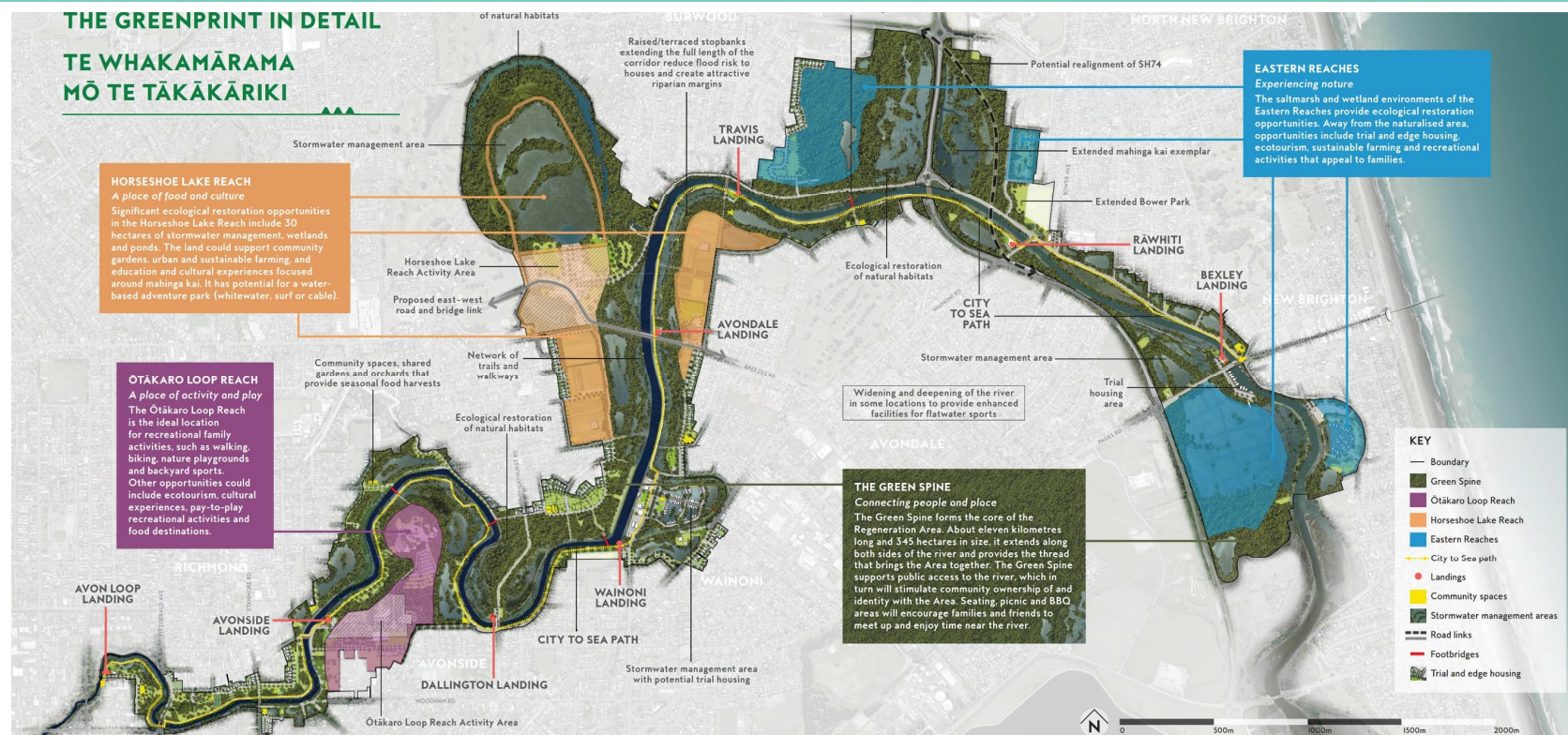
Today's agenda



- Recap on Regeneration Plan (Dave)
- Upcoming projects overview (Dave)
- Typical parks design process (ŌARC, Dave)
- Landscape + Cultural Design Guidelines (Dave)
- 3W budget, issues and opportunities (Tom)
- 3W Project overview (Tom)
- Waitaki Street SMA project (Kamal)

- Questions

Regeneration Plan recap



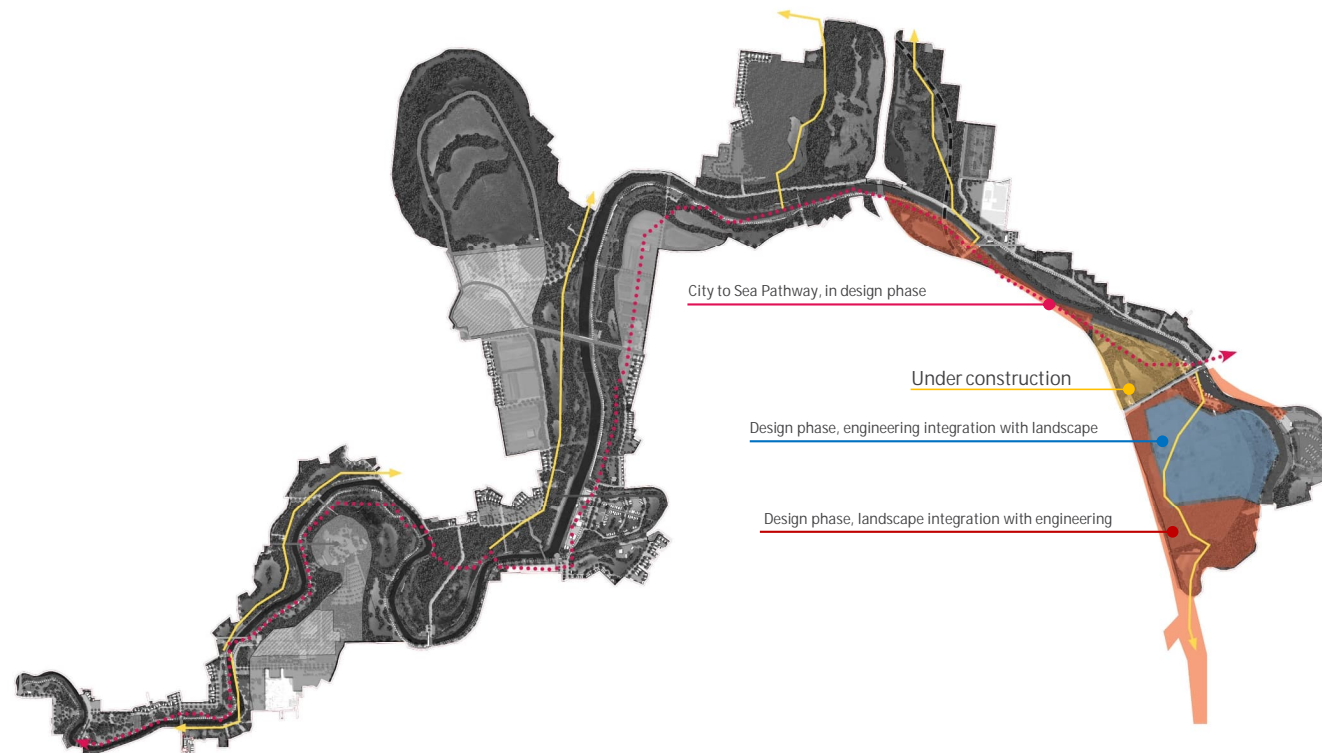
Ōtākaro Avon River Corridor | Update to Coastal Burwood Community Board, July 2022

Upcoming projects overview

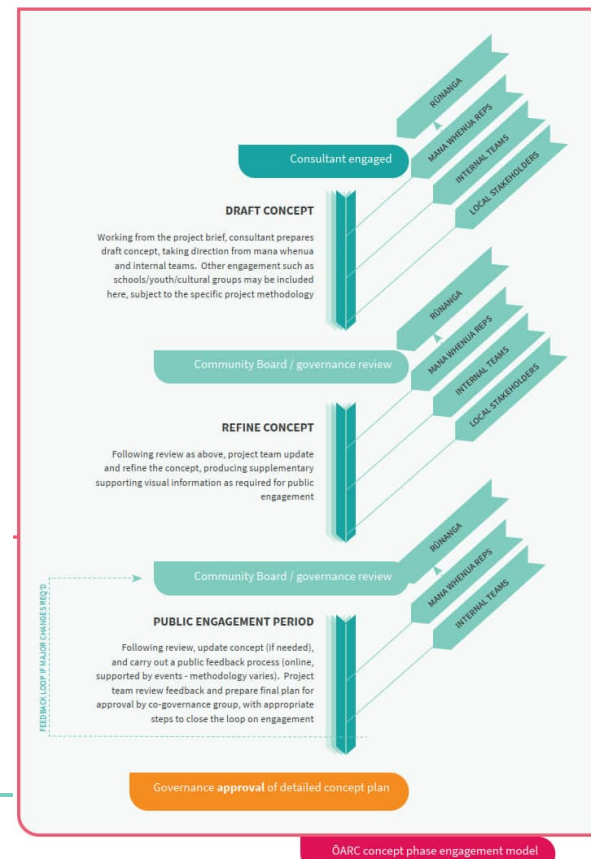


Ōtākaro Avon River Corridor | Update to Coastal Burwood Community Board, July 2022

Upcoming projects overview



Typical parks design process in the OARC



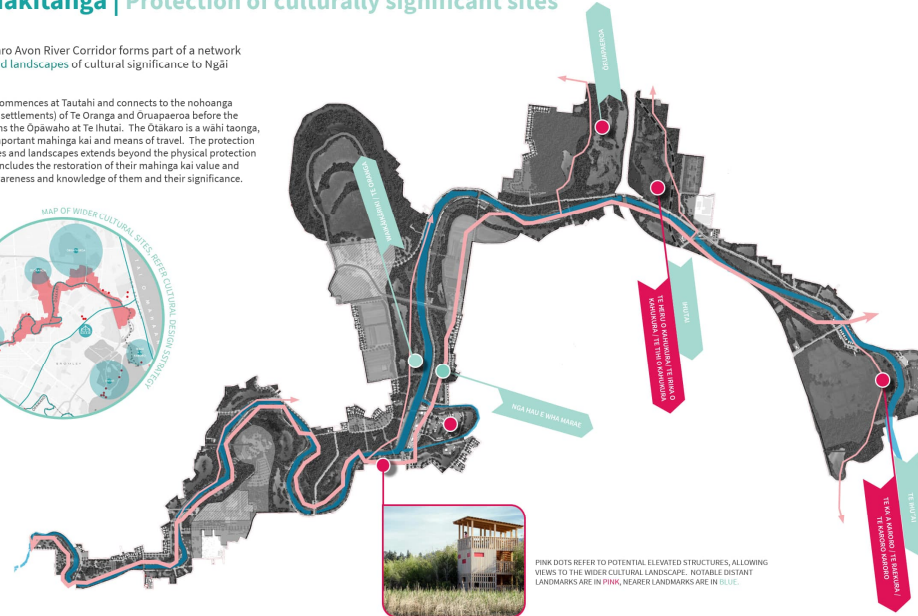
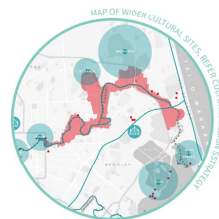
Ōtākaro Avon River Corridor | Update to Coastal Burwood Community Board, July 2022

Landscape and cultural design guidance examples

Kaitiakitanga | Protection of culturally significant sites

The Ōtākaro Avon River Corridor forms part of a network of sites and landscapes of cultural significance to Ngāi Tūāhuriri.

The ŌARC commences at Tautahi and connects to the nohoanga (traditional settlements) of Te Oranga and Oruapaeroa before the Ōtākaro joins the Opāwaho at Te Ihutai. The Ōtākaro is a wāhi taonga, it was an important mahinga kai and means of travel. The protection of these sites and landscapes extends beyond the physical protection of them. It includes the restoration of their mahinga kai value and building awareness and knowledge of them and their significance.

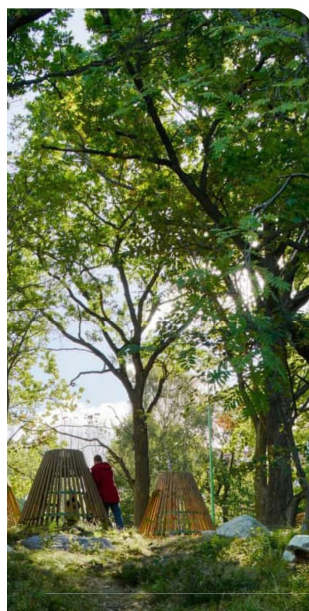


PINK DOTS REFER TO POTENTIAL ELEVATED STRUCTURES, ALLOWING VIEWS TO THE WIDER CULTURAL LANDSCAPE. NOTABLE DISTANT LANDMARKS ARE IN PINK, NEARER LANDMARKS ARE IN BLUE.

Ōtākaro Avon River Corridor September 2021

Landscape and cultural design guidance examples

Materiality discussion | 'refined local materials'



One step more engineered than using found materials, is to use locally-occurring materials, but allowing processing methods to simplify construction and improve longevity of the product.

Typical examples of this approach are milling or carving on-site power poles or wharf poles, or breaking up existing concrete and grinding to create crazy paving. Use of locally available sustainably logged hardwoods (ie *E. Saligna*) also fits within this category. Macrocarpa may be considered but needs to be carefully detailed to avoid it rapidly rotting.

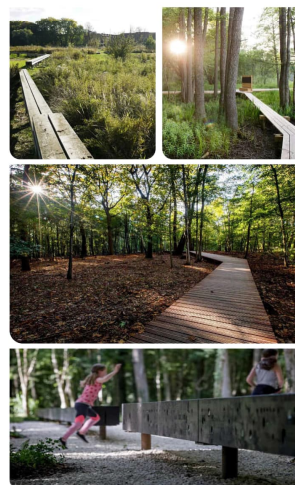
These may be used frequently, although will be somewhat subject to supply on any given project.

PROS

- Authentic materials, often with a sense of history
- Timber usage is a potential carbon sink
- Lower initial costs
- Natural, warm and recessive appearance.
- Presents a subtle contrast with natural forms

CONS

- Timber will need replacing over time, and can generate slip issues - not appropriate as a surfacing on slopes
- Natural materials are inherently weaker than engineered so can result in a 'heavy' appearance if used vertically (for handrails and the like)



Ōtākaro Avon River Corridor December 2021 49

Landscape and cultural design guidance examples

Materiality discussion | 'recessive engineered materials'

This style uses engineered materials, designed to blend in sympathetically with the natural surroundings. As with the previous example, engineered materials would be used where they provide an advantage over natural materials.

Under this approach, we would accept high quality engineered materials such as steel, recycled plastic and potentially concrete where they offer superior visual and durability characteristics to the natural alternatives, either for engineering or aesthetic reasons. As previously, they should be used in a way that plays to the visual strengths of the material. They should stay recessive and sit quietly in the surrounding environment, but in places, splashes of colour may be appropriate.

PROS

- Generally longer lifespan, likely to remain looking new for longer.
- Can be points of visual interest, with public art incorporated
- Engineered materials can span further than natural ones, meaning fewer footings.

CONS

- Higher carbon and capital cost initially, so use sparingly and check offsets. Investigate options to reduce this via innovative fabrication techniques or use of recycled materials/inputs



More engineered

More natural

Increasing maintenance obligations and vandalism potential (operational cost), decreasing capital cost

Ōtākaro River Corridor December 2021 51

Background Annual Plan (\$000) (TP)

CPMS ID	Project Name	2021/22	2022/23	2023/24	2024/2025+	Total
66000	Stopbank - True Right Bank - Wainoni Bridge to Waitaki (OARC)		6,500	4,000		10,500
63038	Programme Flood and Stormwater Priority Works (OARC)	1,600	600	5,220	36,866	44,286
56166	SW Waikākāriki - Horseshoe Lake Stormwater Treatment Facility (OARC) (Stage 1)	5	848	1,867	10,137	12,857
57718	SW Waikākāriki - Horseshoe Lake Stormwater Treatment Facility (OARC) (Stage 2)		5	47	13,862	13,914
62925	SW Flood Management LDRP 521 Stage 1 Waitaki Street (OARC)	3,312	3,105	1,467	2,880	10,764

- <https://ccc.govt.nz/assets/Documents/The-Council/Plans-Strategies-Policies-Bylaws/Plans/annual-plan/WEB-DAP-Full-Draft-Annual-Plan-2022-2023.pdf>
- <https://ccc.govt.nz/assets/Documents/The-Council/Plans-Strategies-Policies-Bylaws/Plans/Long-Term-Plan/LTP-2021-final/LTP2021-Vol1/1-7-Capital-Programme.pdf>
- Flood and Stormwater Priority works programme will support physical works, design and programme activities

Challenges and Opportunities (TP)

- Vary by area
- Project interactions e.g.
 - Pages Road
 - Bexley Wetland
 - Waka Kotahi / ANZAC Dr. realignment
 - City to Sea pathway
 - Current assets (public + private)
 - Community



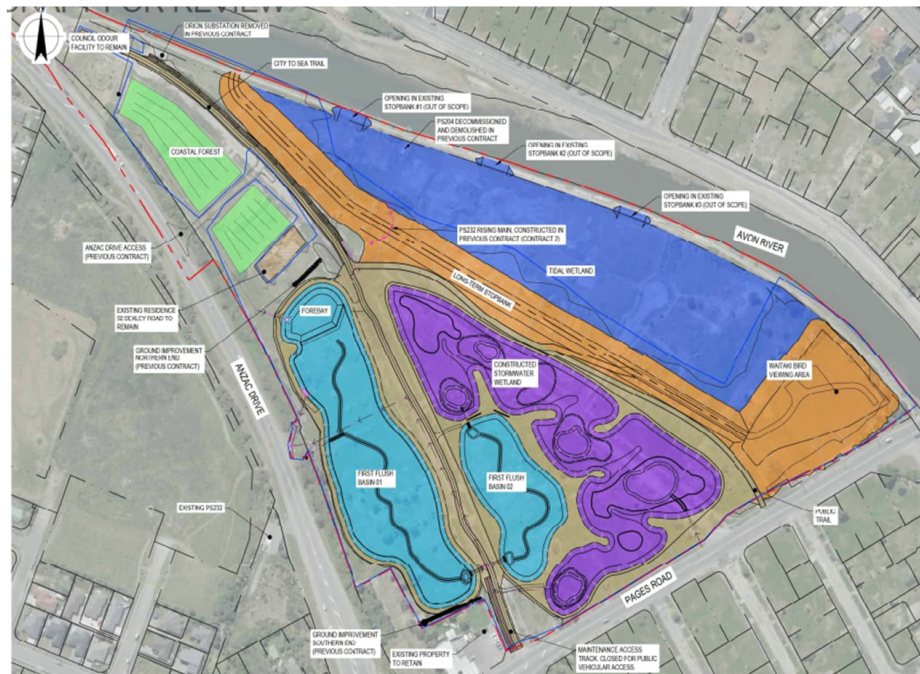
SW + FP works (TP)

Key Physical Components

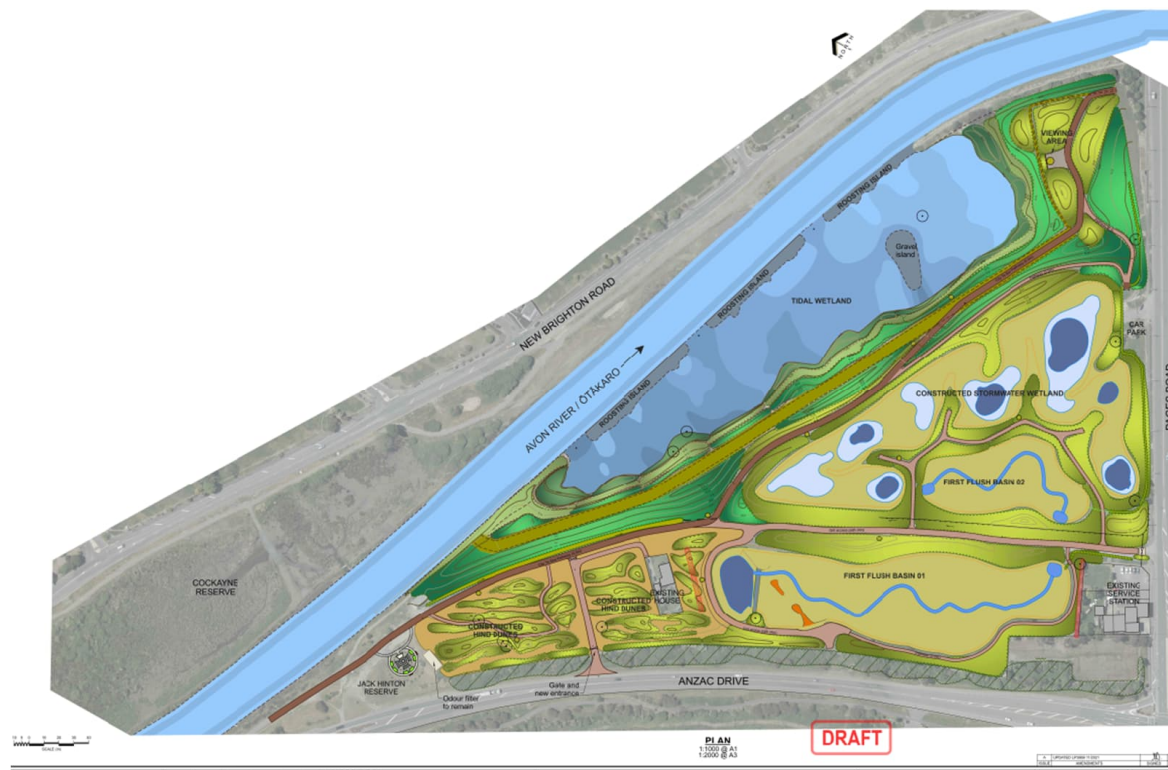
Component	Wainoni	Bexley	New Brighton
Stopbank	✓	✓	✓
Treatment facility	✓	✓	✓
SW PS(s)	✓	✓	
Services realignment	✓	✓	✓
River Bank / Green Spine	✓	✓	✓
Significant other project	ANZAC Drive	Pages Road	Pages Road



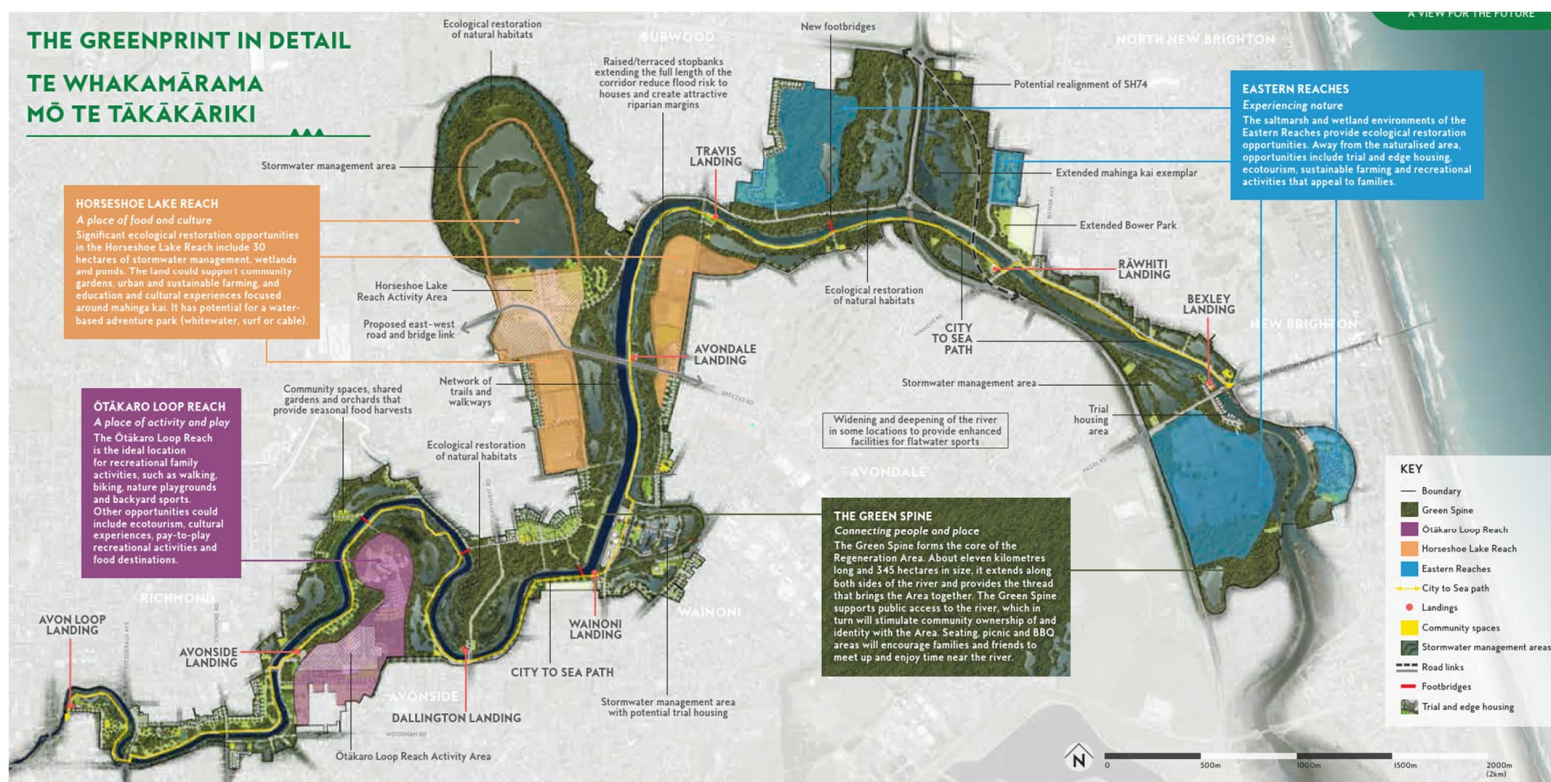
Waitaki (KN)



Waitaki (KN)



Questions



Ōtakaro Avon River Corridor | Update to Coastal Burwood Community Board, July 2022