



Section 6

Mill Stream and Botany Wetlands Corridor

Corridor Findings

Unique Characteristics

The Mill Stream and Botany Wetlands Corridor consists of highly engineered aquatic systems and coastal fringe landscapes that capture and direct runoff from the south-eastern part of Sydney into Botany Bay. The corridor consists of large landscape spaces that are visually or physically separated from residential areas.

In the late 1700s the Botany Bay area was home to several Aboriginal groups who called the area Gwea or Gamai. Kameygal lived and camped near the entrance of the Cooks River and along the north shore of Botany Bay and Gweagal lived on the south of the bay around Kurnell. The estimated population of the area in 1788 was about 1000 - 1200 people.

The area is heavily dominated by golf courses outside of Council ownership. The remaining open space corridor consists of a series of underutilised parks. Remnant pockets of the endangered Eastern Suburbs Banksia Scrub ecological community support important habitat areas.

Opportunities

Maximise passive and active recreational opportunities within the open space corridor, particularly those nearby high density communities such as Mascot with limited access to regional open space.

Improving access and wayfinding to these spaces is a key objective to activating these for community use. Creation of green connector streets will reinforce the links from urban areas to this green corridor.

There is significant weed infestation within vegetation areas and waterways. Through establishment of riparian corridors, removal of noxious weeds and bush regeneration, a healthy and connected urban habitat zone can be established.

Water quality is affected by urban runoff, particularly from golf courses and industrial areas. Establishing riparian zones adjacent water courses, and installing bioswales within open spaces and streets will address water quality and aid to remove contaminants entering the waterways.

Opportunities to enhance this corridor have been identified based on an analysis of cultural, movement and environmental needs. When detailed design occurs the past land uses and ecological conditions must be considered to ensure that change responds to specific characteristics of that space.



Mill Pond, Botany

Corridor Specific Objectives

Blue Green Networks

Promote local species and local initiatives for custodianship and ecological preservation

Link corridors of vegetation and areas of core habitat of sufficient size to increase resilience and encourage native fauna

Remove noxious weeds throughout the corridor and revegetate with indigenous species

Improve riparian vegetation density to help stabilise banks and aid in improving water quality

Utilise WSUD strategies in the wetlands and adjacent areas (including streetscapes and other open spaces) to improve water quality



Port Botany



Southern and Western Suburbs Ocean Outfall Sewer (SWOOS), Botany

Places for People

Promote areas dedicated to local ecologically significant species and local narratives to connect to Country

Protect scenic and cultural landscapes in the Mill Stream and Botany Wetlands Corridor. Increase safe community access to Botany Wetlands, and establish strategic viewpoints and walking paths as part of a 'Botany Wetlands Trail'

Increase passive and active recreational opportunities in the corridor to support growing residential populations



Booralee Park



Sir Joseph Banks Park

Movement

Increase accessibility and permeability to sites of cultural significance

Improve connections to the corridor from surrounding residential and local centres

Provide new cycle and pedestrian paths adjacent Mill Stream linking Sir Joseph Banks Park to Eastgardens via the open space corridor



Sir Joseph Banks Park



Pedestrian bridge over Foreshore Road

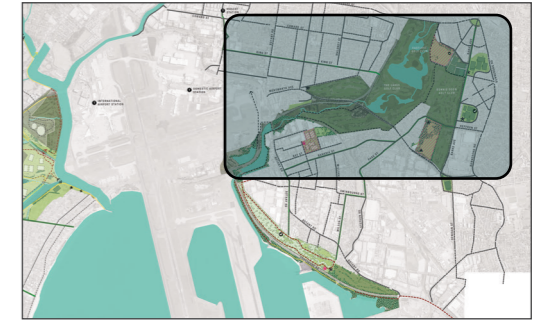
Key Moves and Overall Spatial Framework













Legend	
	Train Station
	Green connector streets
MOVEMENT	
	Cycle links - Existing on streets (Bayside Bike Plan)
	Cycle links - Proposed on streets (Bayside Bike Plan)
	Proposed shared path (3.0-4.5m)
	Proposed pedestrian path (2.0m)
	Proposed track/boardwalk (2.0m)
	Existing pedestrian pathway
	Future visionary link
GREEN BLUE NETWORK	
	Open green space
	New riparian buffer (Varies 10-40m according to creek order)
	Existing vegetation
	Fauna habitat preservation area
PLACES FOR PEOPLE	
	Existing sports (court/field)
	Proposed sports (court/field)
	Proposed park upgrade area
	Existing playspace
	Proposed/upgraded playspace
	Existing dog park



Mill Stream and Botany Wetlands Corridor - Part 1







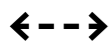








Section 6 - Mill Stream and Botany Wetlands Corridor

		Strategies	Benefit
MOVEMENT			
MB1	 Cycle Links - Existing on streets (Bayside Bike Plan)	<ul style="list-style-type: none"> Existing cycle path on road 	<ul style="list-style-type: none"> Promote active transport
MB2	 Cycle Links - Proposed on streets (Bayside Bike Plan)	<ul style="list-style-type: none"> Proposed cycle path on road 	<ul style="list-style-type: none"> Promote active transport
MB3	 Visionary Link	<ul style="list-style-type: none"> Proposed future 'visionary link' shared way along Mill Stream, under railway at bridge location, and through golf course land (subject to future stakeholder engagement) 	<ul style="list-style-type: none"> Provide connected pathway networks
MB4	 Green Connectors	<ul style="list-style-type: none"> Upgraded streets and green links with generous pedestrian footpaths, cycle path, tree planting and WSUD where possible Wayfinding and signage 	<ul style="list-style-type: none"> Support access to corridor, clarity of wayfinding Increase habitat areas and canopy cover
BLUE GREEN NETWORK			
MB5	 Weed management zone	<ul style="list-style-type: none"> Weed removal and revegetation area 	<ul style="list-style-type: none"> Improve habitat and vegetation corridors
MB6	 New Riparian buffer	<ul style="list-style-type: none"> New riparian buffer (tree and understory planting of endemic species) Width of Riparian buffer varies 10-40m according to waterway order 	<ul style="list-style-type: none"> Improve habitat zone, increase canopy cover Improve water quality and reduce sediments
MB7	 Street Bioswales	<ul style="list-style-type: none"> Bioswale incorporated into street verges 	<ul style="list-style-type: none"> Reduce contaminants entering waterway
PLACES FOR PEOPLE			
MB8	 Booralee Park	<ul style="list-style-type: none"> Consolidate playspaces to a single generous all ages play space Investigate expansion of hard court area Reconfigure fields for multipurpose use New stroll paths/ seating and shelters 	<ul style="list-style-type: none"> Improve quality and variety of play within the LGA Promote community interaction Promote active lifestyle
MB9	 Astrolabe Park	<ul style="list-style-type: none"> Upgrade passive park space with new BBQ/ picnic zones, shelters, stroll paths Cultural sculpture garden Retain existing dog park Investigate active uses that provide greater opportunity for recreation such as a bike or pump track 	<ul style="list-style-type: none"> Increase canopy cover Promote community interaction Address lack of passive park space within the area
MB10	 Mutch Park	<ul style="list-style-type: none"> Upgrade passive park space with new BBQ/ picnic zones, shelters, loop path Expand skate park with additional youth facilities - hit up wall/ half court/ handball court/ multi-purpose enclosed sport court for small spaces Any upgrades to include lighting with a strong focus on inclusion and community safety Investigate opportunities for bush regeneration 	<ul style="list-style-type: none"> Increase canopy cover Promote community interaction Improve passive park space within the area

Mill Stream and Botany Wetlands Corridor - Part 2



Section 6 - Mill Stream and Botany Wetlands Corridor

		Strategies	Benefit
MOVEMENT			
MB11	 Cycle Links - Existing on streets (Bayside Bike Plan)	<ul style="list-style-type: none"> Existing cycle path on road 	<ul style="list-style-type: none"> Promote active transport
MB12	 Cycle Links - Proposed on streets (Bayside Bike Plan)	<ul style="list-style-type: none"> Proposed cycle path on road 	<ul style="list-style-type: none"> Promote active transport
MB13	 Proposed Shared Path (4.5m)	<ul style="list-style-type: none"> New shared path through corridor 	<ul style="list-style-type: none"> Support active transport
MB14	 Existing pedestrian/ shared pathway	<ul style="list-style-type: none"> Retain existing pathway 	<ul style="list-style-type: none"> Provide connected pathway networks
MB15	 Visionary Link	<ul style="list-style-type: none"> Proposed future 'visionary link'-to Mill Stream utilising SWOOS (subject to future stakeholder engagement) Investigate additional opportunities to utilise SWOOS for active transport 	<ul style="list-style-type: none"> Provide connected pathway networks
MB16	 Green Connectors	<ul style="list-style-type: none"> Upgraded streets and green links with generous pedestrian footpaths, cycle path, tree planting and WSUD where possible Wayfinding and signage 	<ul style="list-style-type: none"> Support access to corridor, clarity of wayfinding Increase habitat areas and canopy cover
BLUE GREEN NETWORK			
MB17	 Weed management zone	<ul style="list-style-type: none"> Weed removal and revegetation area 	<ul style="list-style-type: none"> Improve habitat and vegetation corridors
MB18	 New Riparian buffer (Varies 10-40m according to creek order)	<ul style="list-style-type: none"> New riparian buffer (tree and understorey planting of endemic species) Width of Riparian buffer varies 10-40m according to waterway order 	<ul style="list-style-type: none"> Improve habitat zone, increase canopy cover Protect and stabilise embankment Improve water quality and reduce sediments
MB19	 Habitat protection zone	<ul style="list-style-type: none"> Relocate existing walking paths away from habitat zones Install bat 'hides' for viewing and education 	<ul style="list-style-type: none"> Habitat protection Education
MB20	 Street Bioswales	<ul style="list-style-type: none"> Bioswale incorporated into street verges 	<ul style="list-style-type: none"> Reduce contaminants entering waterway
PLACES FOR PEOPLE			
MB21	 Active transport link to La Perouse Ferry Wharf (to Kurnell)	<ul style="list-style-type: none"> New green connector street to link to open space at Yarra Bay and connect to existing path network to future Ferry Wharf Investigate opportunities to incorporate wayfinding and lighting where appropriate See 'Section 7 - Catalyst Projects' for details 	<ul style="list-style-type: none"> Promote active lifestyle
MB22	 Expand Playspace (Refer Sir Joseph Banks Park Master Plan)	<ul style="list-style-type: none"> New regional Playspace- all abilities with multi-generational play opportunities Cultural wildplay/adventure playground with educational overlay for custodianship including information about local species and waterways 	<ul style="list-style-type: none"> Improve quality and variety of play within the LGA Cultural education
MB23	 Banskia Forest + Trail	<ul style="list-style-type: none"> Re-vegetate habitat zone with Eastern Suburbs Coastal Banskia shrub Establish Banskia walking trail 	<ul style="list-style-type: none"> Habitat protection Cultural education

