



Section 4

Bardwell Valley Parklands and Wollie Creek Corridor

Corridor Findings

Unique Characteristics

Bardwell Valley Parklands and Wolli Creek Corridor is a highly vegetated riparian corridor that contributes to biodiversity and habitat. It consists of a range of open space types including pocket parks, bushland trails and golf courses.

Visual connection to the Corridor is limited. Steep topography and subtle pedestrian access paths to the Corridor result in underutilised open space.

Indigenous occupation of the Corridor is apparent through the presence of rock shelters with middens and stone artefacts. These sites are not dated, but reveal that the Corridor area was probably used for camping, fishing and ceremony activities by Aboriginal people over thousands of years prior to British settlement in the area.

Opportunities

It is important that the Corridor celebrate the natural habitat and bushland vegetation, protecting important habitats for native species, including flying foxes, by providing managed areas, such as bat hides, where nature can be enjoyed from a distance.

The establishment of a clear hierarchy of paths will ensure that the intimate bushland character is celebrated, and users can experience the corridor in different ways.

Cross connector streets are challenging due to the steep terrain, but several key connections to the corridor from the surrounding street network should be identified that provide comfortable pedestrian connections to centres and train stations.

Creek line embankments are to be stabilised from erosion through widening of creek corridors and revegetation of riparian corridors.

Recognition of the Aboriginal occupation of the corridor should be celebrated through interpretation and ongoing engagement with local rangers and community.



Bardwell Valley Creek Corridor

Bardwell Valley Parklands and Wollie Creek Corridor Specific Objectives

Blue Green Networks

Encourage community custodianship over waterways to promote sustainability through wayfinding and educational programs

Manage noxious weeds in aquatic and riparian environments along Wollie Creek and Bardwell Creek and re-establish native vegetation along the two creek lines

Restore eroded or degraded riverbanks along Wollie and Bardwell Creeks

Protect significant stands of vegetation and habitat areas for migratory birds and native species including the flying fox



Bardwell Creek, Coolibah Reserve



Bat Colony, Wollie Creek

Places for People

Where playgrounds are to be upgraded, embed opportunities for Custodianship through nature play and educational overlay about local environment

Establish a clear hierarchy of open spaces that are well connected and accessible to local communities. Liaise with adjacent councils to ensure continuity of paths and signage

Ensure open spaces are for predominantly for passive recreation uses allowing users to be immersed in a quiet landscape setting with respect to the bushland character of the corridor



Existing educational signage, Coolibah Reserve



Coolibah Reserve

Movement

Extending Green Grid Custodianship through expanded monitoring access for local rangers

Provide a range of paths that promote active transport routes through the Bardwell Valley corridor whilst maintaining the scenic quality of the bushland landscape

Improve cycling access through the provision of a separated active transport corridor and bike lane on northern edge of the corridor connecting Wollie Creek to Kingsgrove

Provide cross street, bridge and pedestrian pathway connections that link to local centres and adjoining Green Grid corridors. Council may undertake a review of opportunities in specific locations to increase the area of open space and improve access



Bardwell Valley Creek Corridor

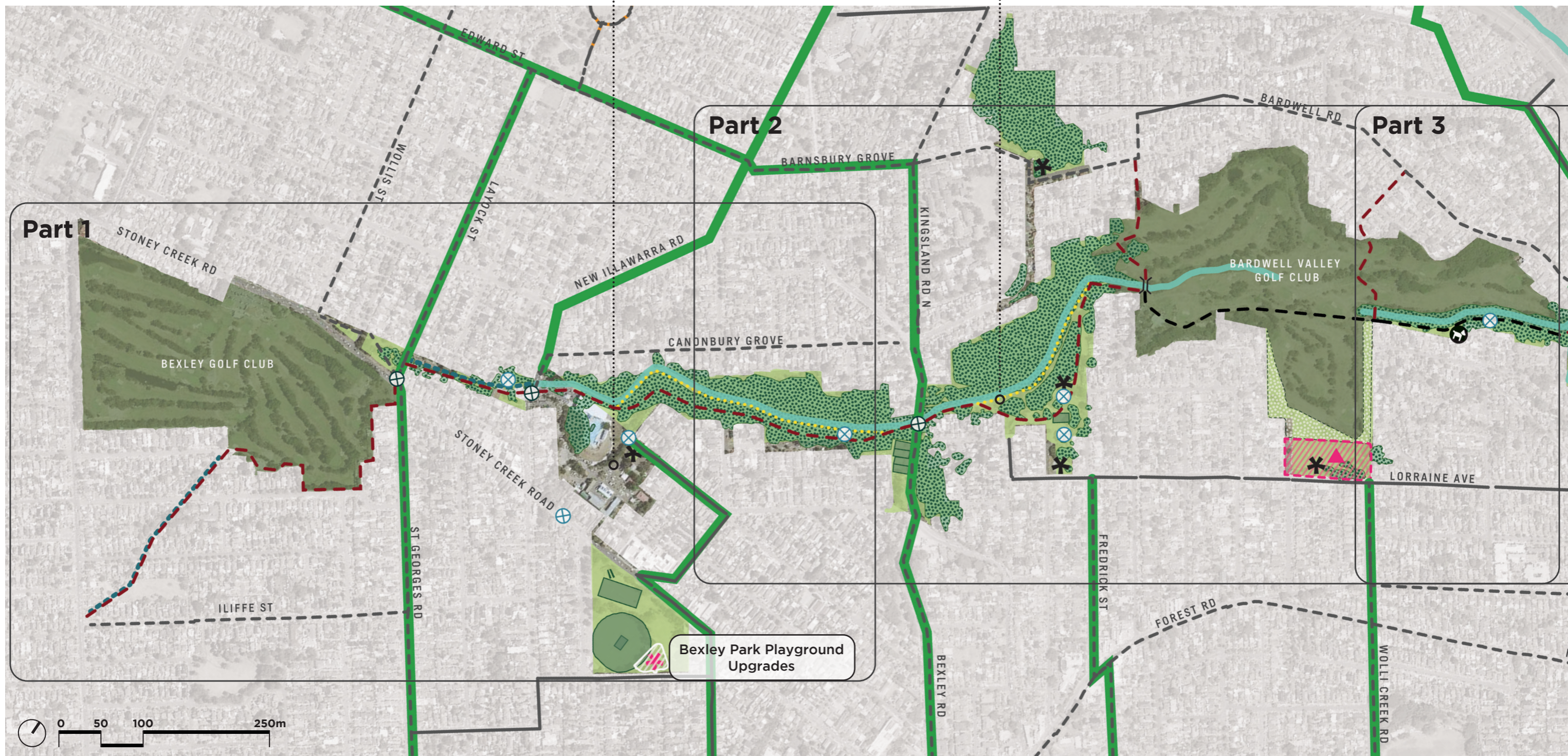


Bardwell Valley Creek Corridor street access

Key Moves and Overall Spatial Framework

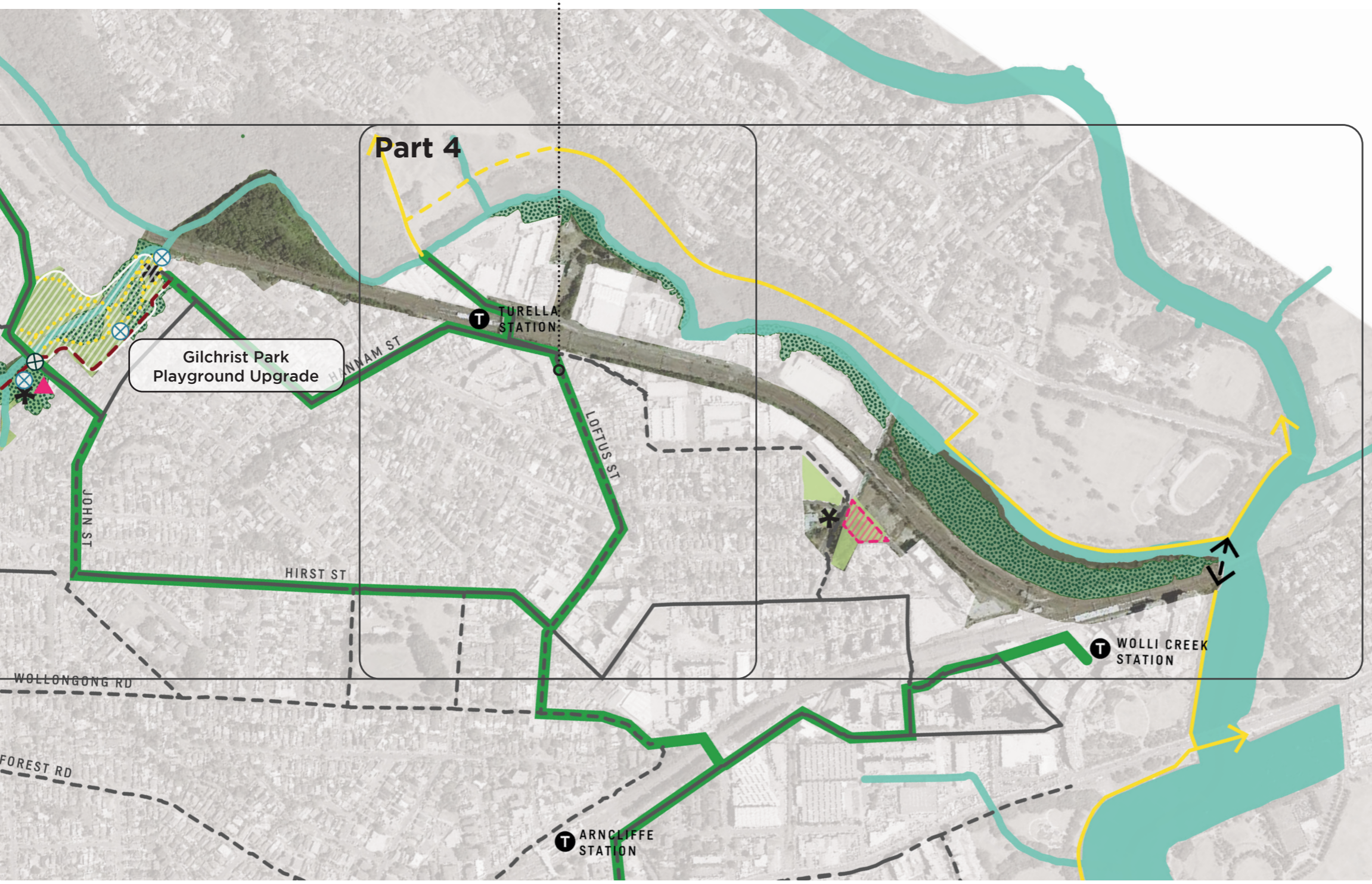
Establish a key community node: green streets connect community facilities to local centres and transport links

Bushland experience: low key trails celebrate the bushland creek landscape.



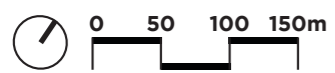
Section 4 - Bardwell Valley Parklands and Wollie Creek Corridor

Green Connector Streets connect community to open space
















Legend	
	Master plans done by others
	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 (3.0m)
	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
	Biofiltration/sedimentation basin blister
	Biofiltration/sedimentation basin (Bardwell Valley WSUD Opportunities Plan)
PLACES FOR PEOPLE	
	Existing sports (court/field)
	Proposed park upgrade area
	Existing playspace
	Proposed/upgraded playspace
	Proposed/upgraded youth spaces
	Existing dog park

Bardwell Valley Parklands and Wollie Creek Corridor - Part 1
















Section 4 – Bardwell Valley Parklands and Wolli Creek Corridor

		Strategies	Benefit
MOVEMENT			
BV1	 Cycle Links - Existing on streets (Bayside Bike Plan)	<ul style="list-style-type: none"> Existing cycle path for commuter cyclists on road 	<ul style="list-style-type: none"> Protect bushland character of corridor
BV2	 Cycle Links - Proposed on streets (Bayside Bike Plan)	<ul style="list-style-type: none"> Proposed cycle path for commuter cyclists on road 	
BV3	 Proposed Shared Path (3.0m)	<ul style="list-style-type: none"> New shared path through corridor. Located to respect riparian corridor. Investigate opportunities to incorporate way finding and lighting where appropriate 	<ul style="list-style-type: none"> Promote active transport
BV4	 Proposed track/ boardwalk (2.0m)	<ul style="list-style-type: none"> Informal pedestrian path (sustainable permeable material with a natural look such as decomposed granite or similar) and boardwalk to connect to water's edge and viewing points and interpretation signage 	<ul style="list-style-type: none"> Promote creek corridor experience Education
BV5	 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 Investigate opportunities to incorporate way finding, lighting and signage where necessary and appropriate 	<ul style="list-style-type: none"> Promote access to corridor, clarity of wayfinding Increase habitat areas and canopy cover
BLUE GREEN NETWORK			
BV6	 Weed management zone	<ul style="list-style-type: none"> Weed removal and revegetation area Refer Rockdale City Council Aquatic Weed Management Strategy, Nov 2011 	<ul style="list-style-type: none"> Improve habitat and vegetation corridors
BV7	 Drain naturalisation	<ul style="list-style-type: none"> Sydney Water Asset New planting to embankments 	<ul style="list-style-type: none"> Improve water quality and reduce sediments Improve habitat and vegetation corridors
BV8	 New Riparian buffer	<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 Improve water quality and reduce sediments
BV9	 Bio filtration/ sedimentation basin (WSUD Opportunities Plan)	<ul style="list-style-type: none"> New biofiltration basin located at stormwater outlet to filter stormwater prior to entering waterway Refer Bardwell Valley WSUD Opportunities, July 2017 	<ul style="list-style-type: none"> Improve water quality and reduce sediments
BV10	 Bio filtration blister/ kerb extension	<ul style="list-style-type: none"> New kerb extension at street crossing Utilise blister for biofiltration/ sedimentation basin to capture road runoff and remove contaminants prior to discharge into creek system 	<ul style="list-style-type: none"> Improve water quality and reduce sediments Provide safe street crossing point/ pedestrian refuge
PLACES FOR PEOPLE			
BV11	 Bexley Golf Club	<ul style="list-style-type: none"> Extend Green Grid Custodianship through expanded monitoring/access for the local rangers 	<ul style="list-style-type: none"> Community custodianship
BV12	 Plant adjacent to channel	<ul style="list-style-type: none"> Naturalise existing concrete channel as creek line with planted embankments New shared path and wayfinding signage 	<ul style="list-style-type: none"> Improve water quality and reduce sediments Improve habitat and vegetation corridors
BV13	 Bexley Park Playspace Upgrade (Bayside Council)	<ul style="list-style-type: none"> New playspace 	<ul style="list-style-type: none"> Improve quality and variety of play within the LGA

Bardwell Valley Parklands and Wollie Creek Corridor - Part 2
















Section 4 – Bardwell Valley Parklands and Wolli Creek Corridor

		Strategies	Benefit
MOVEMENT			
BV14	 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
BV15	 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
BV16	 Proposed Shared Path (3.0m)	<ul style="list-style-type: none"> New shared path through corridor. Located to respect riparian corridor. Investigate opportunities to incorporate way finding and lighting where appropriate 	<ul style="list-style-type: none"> Promote active transport
BV17	 Proposed track/ boardwalk (2.0m)	<ul style="list-style-type: none"> Informal pedestrian path (sustainable permeable material with a natural look such as decomposed granite or similar) and boardwalk to connect to water's edge and viewing points and interpretation signage 	<ul style="list-style-type: none"> Limit impacts on riparian zone Education
BV18	 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"> Promote access to corridor, clarity of wayfinding Increase habitat areas and canopy cover
BLUE GREEN NETWORK			
BV19	 Weed management zone	<ul style="list-style-type: none"> Weed removal and revegetation area Refer to Rockdale City Council Aquatic Weed Management Strategy, Nov 2011 	<ul style="list-style-type: none"> Improve habitat and vegetation corridors
BV20	 New Riparian buffer	<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
BV21	 Vegetation corridor connector	<ul style="list-style-type: none"> New native vegetation planting 	<ul style="list-style-type: none"> Improve habitat zone Green connection + Increase canopy cover
BV22	 Bio filtration/sedimentation basin (WSUD Opportunities Plan)	<ul style="list-style-type: none"> New biofiltration basin located at stormwater outlet to filter stormwater prior to entering waterway Refer to Bardwell Valley WSUD Opportunities, July 2017 	<ul style="list-style-type: none"> Improve water quality and reduce sediments
BV23	 Bio filtration blister/kerb extension	<ul style="list-style-type: none"> New kerb extension at street crossing Utilise blister for Bio filtration/ sedimentation basin to capture road runoff and remove contaminants prior to discharge into creek system 	<ul style="list-style-type: none"> Improve water quality and reduce sediments Provide safe street crossing point
PLACES FOR PEOPLE			
BV24	 Bardwell Creek	<ul style="list-style-type: none"> Wayfinding and educational overlay (local language and Country) around key narrative around Bardwell Creek waterway 	<ul style="list-style-type: none"> Community engagement Education
BV25	 Upgrade Silver Jubilee Park	<ul style="list-style-type: none"> Retain existing playspace New youth space with flexible turn up and play area (half court/skate plaza/ handball marking/ multi-purpose enclosed sport court for small spaces) Upgrade passive park space with new BBQ/ picnic zones/shelters, stroll paths and tree planting Provide outdoor kitchen facilities 	<ul style="list-style-type: none"> Improve quality and variety of play within the LGA Address lack of youth facilities in LGA Promote community interaction
BV26	 Bardwell Valley Golf Club	<ul style="list-style-type: none"> Extend Green Grid Custodianship through expanded monitoring/access for the local rangers Consider a review of development controls for properties at the rear of golf courses to promote active transport routes in the long term 	<ul style="list-style-type: none"> Community custodianship

Bardwell Valley Parklands and Wollie Creek Corridor - Part 3






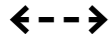


Section 4 – Bardwell Valley Parklands and Wolli Creek Corridor

		Strategies	Benefit
MOVEMENT			
BV27	 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
BV28	 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
BV29	 Proposed Shared Path (3.0m)	<ul style="list-style-type: none"> New shared path through corridor. Located to respect riparian corridor. Investigate opportunities to incorporate wayfinding and lighting where appropriate 	<ul style="list-style-type: none"> Promote active transport
BV30	 Proposed track/ boardwalk (2.0m)	<ul style="list-style-type: none"> Informal pedestrian path (sustainable permeable material with a natural look such as decomposed granite or similar) and boardwalk to connect to water's edge and viewing points and interpretation signage 	<ul style="list-style-type: none"> Limit impacts on riparian zone Connect to water's edge Education
BV31	 Existing pedestrian pathway	<ul style="list-style-type: none"> Retain existing pathway 	<ul style="list-style-type: none"> Provide connected pathway networks
BV32	 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"> Promote access to corridor, clarity of wayfinding Increase habitat areas and canopy cover
BLUE GREEN NETWORK			
BV33	 Weed management zone	<ul style="list-style-type: none"> Weed removal and revegetation area Refer to Rockdale City Council Aquatic Weed Management Strategy, Nov 2011 	<ul style="list-style-type: none"> Improve habitat and vegetation corridors
BV34	 New Riparian buffer	<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
BV35	 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
BV36	 Bio filtration blister/ kerb extension	<ul style="list-style-type: none"> New kerb extension at street crossing Utilise blister for Bio filtration/ sedimentation basin to capture road runoff and remove contaminants prior to discharge into creek system 	<ul style="list-style-type: none"> Improve water quality and reduce sediments Provide safe street crossing point
BV37	 Bio filtration/ sedimentation basin	<ul style="list-style-type: none"> New biofiltration basin located at stormwater outlet to filter stormwater prior to entering waterway Refer to Bardwell Valley WSUD Opportunities, July 2017 	<ul style="list-style-type: none"> Improve water quality and reduce sediments
PLACES FOR PEOPLE			
BV38	 Shepherd Reserve	<ul style="list-style-type: none"> Upgrade playground to cultural playground with educational overlay for custodianship including information about local species and waterways (marking termination of Bardwell Creek and importance of confluence of waterways for mullet catching) Investigate suitability of location for new youth space (with turn up and play/half court/skate park/plaza / /multi-purpose enclosed sport court for small spaces), or identify an alternative location in the neighborhood General passive park upgrades: path network, seating and picnic areas 	<ul style="list-style-type: none"> Improve quality and variety of play within the LGA Address lack of youth facilities in LGA Community custodianship
BV39	 Coolibah Reserve Refer Master Plan	<ul style="list-style-type: none"> Increase public amenity with new BBQ/ picnic zones, shelters, stroll paths and native garden- refer master plan Proposed biofiltration/ wetland area already under construction 	<ul style="list-style-type: none"> Provide a variety of open spaces for multi-generational use

Bardwell Valley Parklands and Wollie Creek Corridor - Part 4



Section 4 – Bardwell Valley Parklands and Wolli Creek Corridor

		Strategies	Benefit
MOVEMENT			
BV40	 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
BV41	 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
BV42	 Existing pedestrian pathway	<ul style="list-style-type: none"> Retain existing pathway 	<ul style="list-style-type: none"> Provide connected pathway networks
BV43	 Visionary Link	<ul style="list-style-type: none"> Proposed future 'visionary link'- bridge connection across Wolli Creek and underpass under railway bridge to connect to existing pedestrian pathways in Waterworth Park and Discovery Point Park (subject to future stakeholder engagement) 	<ul style="list-style-type: none"> Provide connected pathway networks
BV44	 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"> Promote access to corridor, clarity of wayfinding Increase habitat areas and canopy cover
PLACES FOR PEOPLE			
BV45	 Lusty Street Reserve	<ul style="list-style-type: none"> Upgrade passive park space with stroll paths, seating and picnic areas Improve pedestrian connection to street Investigate opportunities for off-leash dog area 	

