



HERITAGE PARK

LANDSCAPE MASTER PLAN

Prepared by Plummer & Smith Pty Ltd for Byron Shire Council

Contents

Executive Summary	4
Masterplan Principles	5
Heritage Park: what is it now?	
1.1 Context	8
1.2 The Site	10
1.3 Existing Conditions & Opportunities	12
Heritage Park: vision and strategies for the future	
2.1 Community Insights / Desires	20
2.2 Vision & Objectives	22
2.3 Design Strategies & Outcomes	24
Heritage Park: the plan	
3.1 Proposal	32
3.2 Proposal - Heritage Park	34
3.3 Proposal - Maslen Arboretum	36
3.4 Proposal - Heritage Park West	38
3.5 Proposal - Palm Park	40
3.6 Northern Node and River Access	42
3.7 Heritage Park West- Kayak Launch Option	44
3.8 Tincogan Street Intersection	46
3.9 Palm Park Entry	48
3.10 Perspectives	50
3.11 Design & Materials	53
3.12 Plant Palette	60
Heritage Park: the future	
4.1 Future Works	64
4.2 Future Process	66
Appendix	
5.1 Appendix A	70
5.2 Appendix B	71
5.3 Appendix C	73

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Byron Shire Council acknowledges the Traditional Owners of this land, the Arakwal people, the Minjungbal people and the Widjabul people of the Bundjalung Nation.

People of the Bundjalung Nation have lived in this area for thousands of years before the arrival of non-Indigenous people. The Bundjalung Nation retains a strong connection to the maintenance, protection and management of Aboriginal cultural values in the Shire.

Since 2001 the Bundjalung of Byron Bay (Arakwal) People have entered into four Indigenous Land Use Agreements recognising their Native Title rights as Traditional Owners to lands and waters in and around Byron Bay.

Council also acknowledges the Native Title claim currently before the Federal Court by traditional owners the WidjabulWiabul People to lands and waters in western areas of the Byron Shire.

Today, Byron Shire is also home to many Australian Indigenous people from around the country.

Executive Summary

This document is a Landscape Master Plan report outlining landscape treatments and design strategies for Heritage Park, Mullumbimby. The plan seeks to promote environmental, cultural, and open space outcomes in a space that is a celebration of the diverse local community.

This masterplan process included consultation with Indigenous Representatives and community stakeholders. Any future staged works shall include additional consultation and engagement with relevant Indigenous representatives.



Master Plan Principles



PROTECT THE ENVIRONMENT



CELEBRATE CULTURE & CREATIVE EXPRESSION



PRIORITISE COMMUNITY SPACE



IMPROVE ACCESSIBILITY & CONNECTIVITY

Why Masterplan Heritage Park?

The greater Heritage Park area- comprising Heritage Park, Maslen Arboretum, Heritage Park West, and Palm Park- occupies critical community and ecological space. Various areas within the park are suffering from environmental degradation and the park can be characterised by degraded and limited open space and community infrastructure.

The purpose of the Heritage Park Master Plan is to establish a shared vision for this important open space- important for both the community and for the environment.

As part of the masterplanning process community stakeholders and Council

staff were engaged to establish an understanding of existing conditions, concerns, and desires. Key issues include improving accessibility and connectivity, improving safety, providing passive open space for the community, and improving environmental performance and health. The following document outlines these components in more detail as part of the analysis and design framework.

Establishing a shared vision for the park will enable any future works within the park to progress towards agreed outcomes. The plan will also assist with future project staging and project priorities, fund allocation, and potential grant applications.



HERITAGE PARK- what is it now?

1.1 Context

The site is located north and west of the Mullumbimby town centre and borders the Brunswick River. The parkland is approximately 4.5ha and is easily accessed from the town centre with various streets leading to and along the park's edge. The park areas are part of the 'town edge and heritage area' as defined in the *Our Mullumbimby Masterplan* by Byron Shire Council.

The parkland has a strong community value and is commonly used for casual recreation, exercise, river access, research and education. The park features an arboretum (with planting starting in 1980) that contains 300 species of trees, shrubs and ground covers of rainforest, forest, woodlands and heath grown from seeds collected from surrounding forests. Other existing features of the park include a 'Palm Park' section, the 'Mullumbimby Sculpture Walk' experience, rainforest walks, picnic facilities, public amenities, children's playground, boat ramps and tennis courts.


It is evident that the site holds strong popularity within the community and visitors to the area, and is a place for solace and connection to the community and natural environment. The park has a strong sense of place and any proposed changes need to be well planned and appropriate to ensure that the character, look and feel of the park is retained and the natural elements are protected in accordance with the *Our Mullumbimby Masterplan*.





1.2 The Site


The Heritage Park site areas comprise several public open space areas that link together to provide a linear park fringe between the residential and commercial centre of Mullumbimby and the Brunswick River.

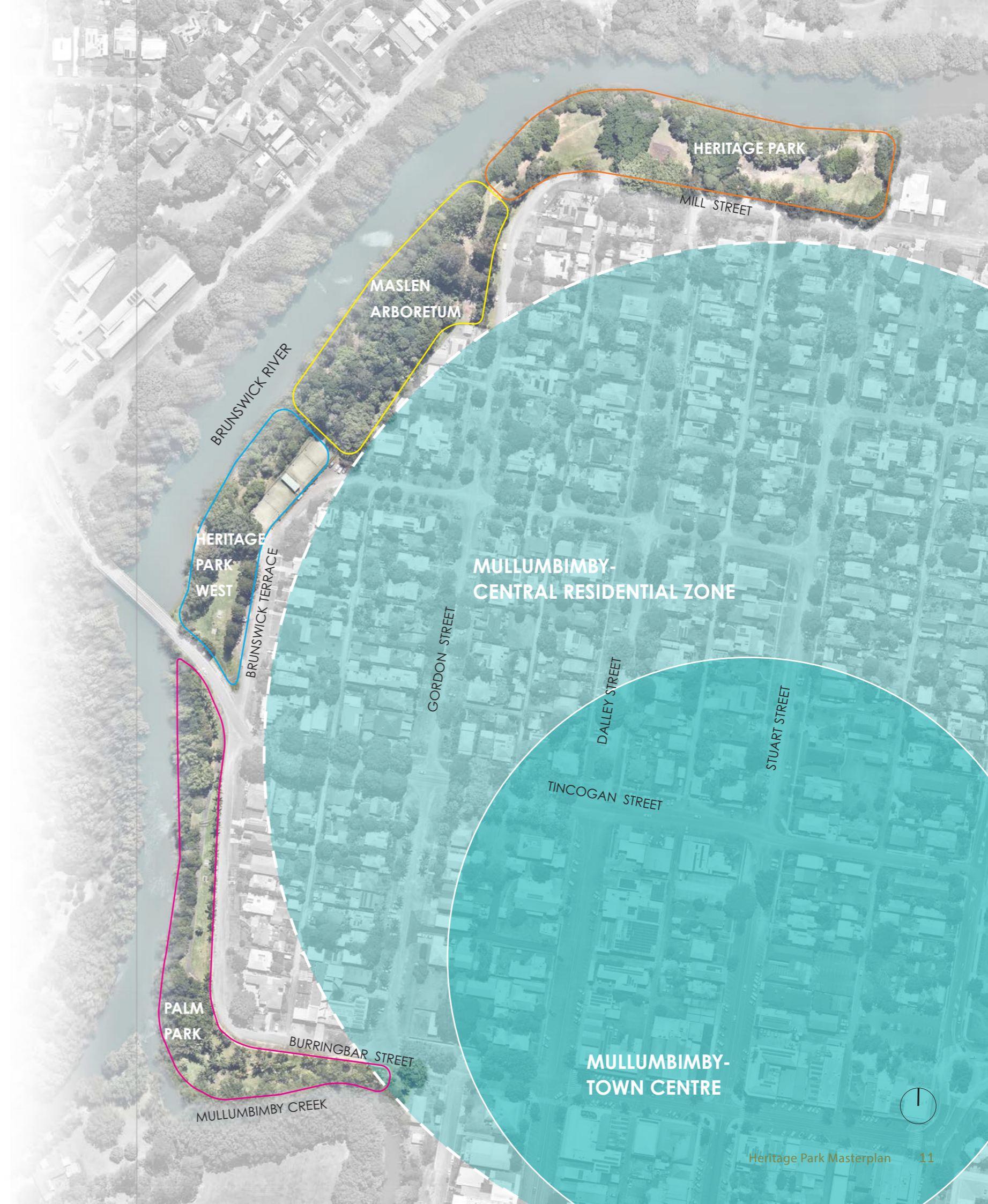
Park areas and existing features:

- 
HERITAGE PARK
 Informal vehicular access and parking, informal river access, playground, park shelter, open space areas, no formal paths, open drains

- 
MASLEN ARBORETUM
 Important environmental, ecological and educational asset with extensive arboretum tree, shrubs and groundcover planting, some constructed but degraded paths, informal mulch paths, shelter, heritage elements, park furniture placed throughout

- 
HERITAGE PARK WEST
 Tennis courts, informal vehicular access, formal but degraded boat ramp, open space areas

- 
PALM PARK
 Paths connecting to the main street, heritage elements, palm 'arboretum' planting, drainage features, sculpture walk with art features, constructed paths, existing flying fox colony



1.3 Existing Conditions & Opportunities

ENVIRONMENT & ECOLOGY

There is significant stress on a number of environmental and ecological areas of the park. This is particularly the case in the riparian zones where river erosion is undermining the banks and damaging riparian vegetation areas and therefore damaging the long term viability of adjacent public open space areas. There are also significant ecological and environmental assets including the Arboretum and native riparian vegetation areas.



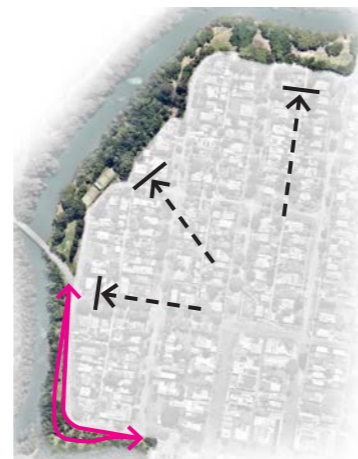
Riparian erosion stress



Riparian erosion stress

ACCESSIBILITY & CONNECTIVITY

Much of the park- particularly Heritage Park and Heritage Park West, are characterised by a lack of constructed paths and poor accessibility. In many areas existing paths are also no longer fit for purpose. This significantly reduces the accessibility of the park and the potential benefits and amenity that this linear park space offers the community. Palm Park and the associated sculpture walk area are the only park areas with existing viable circulation paths.



Existing path requiring upgrade



Example of park areas without formal paths

HYDROLOGY & DRAINAGE

The park areas come under significant stress from existing hydrology. Much of the park is in flood flow zones- all of it is in potential inundation areas. The park is also the location of much of the town centre's 'end of line' drainage- being the discharge point for much of the street network's drainage. This causes significant erosion and maintenance stress as well as linear connectivity disruptions within the park.



Existing drainage lines crossing the park areas. Image also shows silt deposit from the 2022 flood



Heavily eroded and degraded drainage line

VEHICULAR ACCESS

The two current on site car parks are at the north eastern river access and the western boat ramp area. Both areas are unsealed and are heavily degraded. The on site car parking and vehicular access consumes large expanses of the park in valuable positions (particularly Heritage Park areas), meaning these areas cannot be used as public open recreational space. The majority of people utilising the park accessed the park via walking. On street car parking is also present at the tennis courts and along the edges of the park.



LIMITED & AGING INFRASTRUCTURE

The site currently has a range of facilities of varying ages. Existing infrastructure includes shelters, benches, picnic tables, pathways, bridges, drainage systems, parking management bollards, boat launch ramps, and bins. In a number of cases these facilities are inaccessible.



CPTED & SAFETY

Areas of the site have limited passive surveillance due to the location of the site between houses and the river, the depth of the site and existing vegetation. The toilets, arboretum and west of the arboretum has extremely low passive surveillance with no view lines into this area, posing a safety risk. The majority of the site has view lines into the park, with pockets of hidden spaces from adjacent streets and housing areas. A traffic safety issue exists at the pedestrian intersection of Tincogan Street, with limited sight lines and no crossing refuge.



Heritage Park West informal vehicular access



Heritage Park open space areas dominated by vehicular access



Existing informal and inaccessible furniture



Existing arboretum shelter



Existing amenities block with poor passive surveillance



Maslen Arboretum entry- no formalised pedestrian access

ECOLOGY & HABITAT

FLORA




A 'Biodiversity Assessment' report (*Heritage Park Landscape Masterplan Biodiversity Assessment*) for the Heritage park area was undertaken by Australian Wetlands Consulting (Project # 1-211535b). This report identified numerous threatened flora species within the arboretum, with two naturally occurring species within the riparian vegetation along Mullumbimby Creek. Lowland rainforest identified in the arboretum and extending along the Brunswick River is characteristic of the Threatened Ecological Community (TEC) 'Lowland Rainforest in the NSW North Coast and Sydney Basin Bioregions'. These identified flora species and communities should be protected with no works impacting them.

FAUNA

The biodiversity report identified vegetation within the park that provides habitat for several threatened fauna species, including a colony of Grey-headed Flying-foxes and Black Flying-foxes. Specifically this vegetation and habitat was identified within Palm Park which extends onto adjoining land around the Brunswick River and Mullumbimby Creek. All works within the masterplan and future detail design will be required to adhere to recommendations and considerations within this report.

Disclaimer: the fauna habitat locations are likely to change/move through the surrounding vegetation. It is essential that the location of the Flying-fox habitat is confirmed prior to any future detail design with recommendations in the Biodiversity report followed.

KEY

-  Threatened flora species. Refer to Biodiversity report and Appendix B.
-  Flying fox location as per Biodiversity report. Refer to Biodiversity report and appendix B.
-  Flying fox location observed on site during this project. Refer to biodiversity report and appendix B.





HERITAGE PARK- vision & strategies for the future

2.1 Community Insights / Desires

WELCOME

improve amenity of park entries- a welcome area and transition between town centre streets and open spaces

HERITAGE

protect and celebrate local environment and heritage- the park can be a critical link in town centre heritage trails

LINKS

improve links into, and along the parkland corridor- connected public domain and open space areas

ACCESS / FUNCTION

improve accessibility and connectivity- provide facilities for people to engage with the river environment

PEOPLE PLACES

prioritise open space areas for community use- limit car access and camping in park areas

CARE

improve park maintenance and promote, celebrate and encourage community care for place

CULTURE

celebrate Indigenous culture, provide cultural content, representation, and opportunity

celebrate creative culture

SAFETY

improve safety for park users. Improve safety for pedestrians and vehicles at Tincogan Street / Brunswick Terrace intersection

2.2 Vision & Objectives



2.3 Design Strategies & Outcomes

IMPROVE LIMITED & AGING INFRASTRUCTURE

Upgrades and refurbishments to existing infrastructure as well as additional facilities will be incorporated into the park. Upgrades to the shelters, playground, benches, picnic tables, pathways, bridges, drainage systems, car parking, and river access will be included. This will create a more usable, appealing and welcoming space for a wide range of community members. Existing infrastructure should be retained where possible.



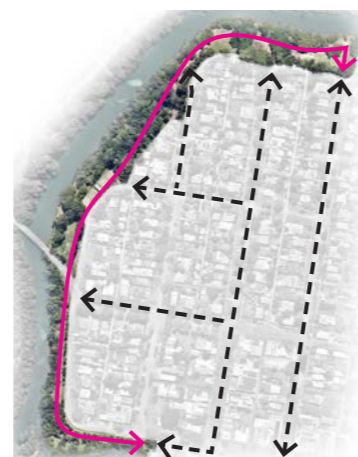
ADDRESS VEHICULAR ACCESS

Pedestrian access will be prioritised as the main access strategy to the site. Prioritising people oriented open space and riparian health will mean the removal of informal car parking and vehicular access from the northern end of the park. Car parking to the western river access will be upgraded. On street car parking and existing car parking near the tennis court will be retained and upgraded. This will improve safety, ecological issues, and enhance usable public open space.



IMPROVE ACCESSIBILITY & CONNECTIVITY

A critical requirement of the masterplan process and any future works is improving accessibility within the park. Accessibility within the park is currently very poor in all areas north of Tincogan Street. Improving accessibility within the park not only increases the potential park uses and users but also opens the opportunity for connecting the park to Mullumbimby town centre circulation - thereby providing benefits to both.








a place for the community

GREEN SPINE



CIRCULATION LOOPS

-  2km loop
-  1.7km loop
-  1.3km loop
-  0.9km loop
-  Arboretum bypass



The 'Mullumbimby Story Trail Conceptual Model' (2021) - refer Appendix A- has been considered and integrated into the strategies and design of this masterplan.

environmental resilience

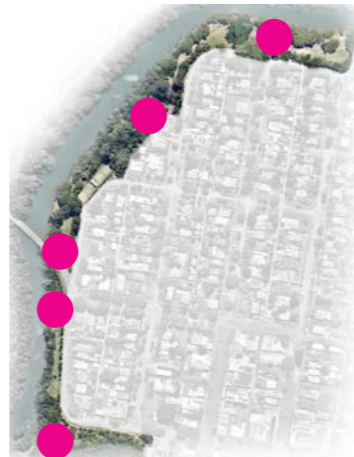
IMPROVE ENVIRONMENT & ECOLOGY

Reducing the destruction and loss of the riparian zones is imperative for the environmental and ecological health of the site. Riparian vegetation along the river banks is essential for bank stability and the protection of the park and wildlife habitat. Strengthening of the riparian zones will be undertaken by implementing planting strategies to reinforce the existing riparian corridors and removal of weed species. In areas where the riparian vegetation has been impacted, planting areas will be widened. Vehicle access to riparian areas will be managed and/or removed.



ENHANCE ECOLOGY & HABITAT

The Brunswick River riparian zones are a significant ecological asset. Existing ecological measures should be maintained and enhanced where possible. Examples include the installation of nest boxes (existing and proposed) through the Arboretum and several other site areas. Existing habitat as noted in the 'Biodiversity Assessment' will be retained and protected with recommendations in this report followed throughout planning and construction.



ADDRESS HYDROLOGY & DRAINAGE

Existing key drainage locations will be upgraded to ensure positive drainage throughout the site. The main upgrades proposed will be planted drainage swales, rain gardens and regrading of some areas to limit pooling of water.

These works can also positively impact the biodiversity of the park and add to existing environmental education assets such as the Arboretum.



a safe place

IMPROVE CPTED & SAFETY - Arboretum

Thorough passive surveillance into the Arboretum is not achievable due to the dense existing vegetation. This section of the park is also bounded on both sides- the river and houses- i.e. there is no street frontage through the majority of this area. Management strategies within the arboretum can improve safety- such as management of foliage encroaching on the path with careful and selected pruning to ensure the pathway is kept clear. An 'arboretum bypass' path is proposed on Dalley and Gordon Streets, connecting the southern entry of the arboretum to the pathway network at the north of arboretum, providing an alternative route to walking and cycling through the Arboretum to improve circulation options.



IMPROVE CPTED & SAFETY

Amenities block

Visibility and sight lines into the existing toilet block will be increased to improve passive surveillance and safety. This will be achieved by redesigning the entry area and with the removal of existing under-storey plants blocking views to and from the amenities. This under-storey can be replaced with low growing species.

Tincogan Street / Brunswick Terrace intersection

Providing for safe pedestrian movement across this intersection is critical for safety and accessibility.



IMPROVE SAFETY - General

An important part of improving park safety long term is also the activation of the park with desirable community use. This involves providing the community with quality park amenity and infrastructure that encourages use.



viable future use

BOAT RAMP RIVER ACCESS & OPEN SPACE USE

There are currently formal and an informal boat ramps in Heritage Park West and Heritage Park respectively.

The Heritage Park West boat ramp, located near Federation Bridge is proposed to be retained in this masterplan. The retention of this boat ramp will entail a formalised car park with the existing boat ramp retained in it's current condition with potential for renewal, subject to future funding. There is another option for this area to be a 'soft' river access (refer to 3.7).

The informal boat ramp located in Heritage Park (northern boat ramp) is having significant negative impacts on riparian health. Maintaining and formalising boat access within Heritage Park will result in significant loss of public open space in the future- for required vehicle movements and associated parking. This runs counter to community desires for maximising usable open space in the Heritage Park sector. Beyond the park boundaries the small residential village streets are already under strain from increasing traffic movements and parking. Encouraging large vehicles and boat trailers into these streets long term does not represent a sound future strategy for promoting safe streets and viable public open space outcomes for the community. As a result the solution proposed in this masterplan is to provide 'soft' river access from within the Heritage Park area for kayaks and canoes.

It is also proposed that investigations continue to relocate boat access facilities to river areas outside of the town centre of Mullumbimby. This is a strategy used in a



Riparian degradation associated with vehicular access and the boat ramp in Heritage Park



Existing significant erosion associated with the informal boat ramp in Heritage Park



The Heritage Park West boat ramp is steep and under-utilised- adjacent riverbank areas are heavily eroded




Example of kayak launching from Heritage Park West




**HERITAGE PARK -
the plan**


3.1 Proposal


MASTERPLAN KEY PLAN

 Refer to detail plans for additional information


KEY


 Existing tree to be retained


 Proposed tree


 Proposed hardstand path

 Turf

 Planting

 Asphalt paths

 Shelters- picnic and BBQ

 Car park



3.2 Heritage Park

1. Concrete pathway nominal 2m wide
2. River viewing pause point with seating, interpretive information and safety balustrade
3. New shade / riparian tree planting
4. Existing grass areas retained as flexible open space
5. Existing trees retained
6. Improved drainage swale including stabilisation measures and native planting to assist with the filtering of run-off prior to it entering the River system
7. Boardwalk providing access under fig trees and across the drainage swale
8. River viewing platform providing accessible river viewing destination and protection of sensitive riparian zones
9. Decomposed granite/gravel path
10. Nature play upgrades and additions to existing play space- viable play elements retained (such as rope climbing structure) and degraded elements upgraded
11. New shelter with picnic table
12. New shelter with BBQ
13. Amenities building with access from playground and on street car parking- positioned close to park entries and mid way between Heritage Park use nodes
14. Turf overland flow swale through open space area
15. Open space and increased riparian vegetation areas (in place of informal vehicular access and parking) for improved environmental health and community use
16. Turf area for passive recreational use
17. Picnic bench
18. Brunswick River access node- kayak / canoe launch, river viewing terrace, erosion management, picnic tables, bike racks and riparian vegetation improvements



3.3 Maslen Arboretum

1. Concrete pathway nominal 2m wide
2. Existing arbour/ entry to arboretum upgraded
3. Connections to street footpath- new street footpath provides a cycling bypass of the Arboretum- also a bypass for those that feel safer staying on the street
4. Improved drainage swale including stabilisation measures and native planting to assist with the filtering of run-off prior to it entering the River system
5. Bridge over drainage swale
6. Formalised path surface required for improved accessibility. Asphalt surface proposed to limit impact on existing trees
7. Existing arboretum. Trees and vegetation to be retained. Existing undergrowth management to be continued. Selective and careful pruning of branches impeding pathway movement where necessary
8. Existing shelter upgraded (refurbished or replaced- to be assessed) with surrounding areas made usable for small community gatherings
9. Secondary path along river connecting to arboretum path- increasing activation of river edge areas
10. New backrest seat- existing seats through the Arboretum to be retained
11. Existing grass areas retained and improved
12. Existing trees retained
13. Arboretum entry node with formalised paving, path connections and seating, arbour entry and fence to be retained. Existing heritage and information material retained.
14. Car parking formalised to front of arboretum entry
15. Existing tennis courts retained
16. New path to ensure continuous linear connections along the park are provided
17. Existing amenities building with improved entrance and visibility

Opportunities for historical, ecological and plant educational signage throughout the Maslen Arboretum area to celebrate this environmental and community asset.

Works to not negatively impact Arboretum vegetation.



3.4 Heritage Park West

1. Existing boat ramp retained. River bank protection works and stabilisation terracing also required. Detailed investigations and design required. Potential for boat ramp to be renewed, subject to future funding.
2. Formalised access and car park. Detailed investigations and design required.
3. New formalised car and trailer parks
4. Shaded picnic spaces under existing trees
5. Existing amenities building with improved entrance and sight lines- includes seat, amenity planting and bike racks
6. River bank areas to have increased riparian and stabilisation planting
7. Concrete pathway nominal 2m wide
8. Concrete pathway nominal 1.5m wide
9. Existing grass areas retained and improved
10. Shelter with picnic table
11. Shelter with barbecue
12. Existing trees retained
13. On street parking formalised- include a DAPB in this location
14. Tincogan Street intersection adjustments, refer to section 3.8
15. New footpath to link to existing street path network
16. Existing asphalt path retained
17. New path extending along Brunswick Terrace to connect Heritage Park West to the Arboretum as part of accessibility and connectivity upgrades



3.5 Palm Park

1. Existing asphalt path retained
2. Existing sculpture walk retained and celebrated
3. New shelter with picnic table to replace existing tables and associated concrete slabs
4. Existing trees retained
5. Supported riparian vegetation near river
6. Concrete pathway nominal 2m wide
7. New concrete pathway nominal 1.5m wide-existing paver path in this area removed. New concrete path moved out of open space gully line to avoid ponding across path in wet times
8. Upgraded bridge over existing drainage path
9. Retain existing grass areas and permanent sculpture walk pieces
10. Low lying areas adjacent to creek to be vegetated with native riparian plants- improving biodiversity and managing maintenance
11. Selected vegetation management to ensure adequate visibility of the park from the street
12. On street parking formalised
13. Seating bench
14. Picnic table
15. Upgraded bridge / deck over drainage line
16. Constructed drainage swale with batter planting
17. Gathering deck over swale with seating
18. Cross overs to swale linking footpaths and street to main footpath
19. Seating node with views along Mullumbimby Creek
20. Existing heritage water trough retained
21. Entry plaza to Palm Park and sculpture walk. Refer to section 3.9
22. Existing bus shelter

Opportunities to provide educational information about palm species in Palm Park.

Opportunities to add interpretive signage to celebrate the sculpture walk and Mullumbimby's creative community.



3.6 Northern Node and River Access

1. Concrete pathway nominal 2m wide providing accessible connections into and along the park
2. Widened concrete plaza facilitating group gatherings and adequate pathway circulation
3. New shelter with barbecue
4. New shelter with picnic table
5. Bike racks
6. Turf area for improved usable space and community recreational activities
7. Existing undermined Casuarina trees at river edge. Localised erosion protection rock works to be investigated
8. Improved drainage swale including native vegetation and bank stabilisation- removal of a number of Camphor laurel trees likely as part of drainage and batter stabilisation works
9. Accessible boardwalk ramp for river access- further detailed site investigations and design required
10. Timber seating terraces and steps to water edge platform
11. River viewing terrace
12. A combination of informal compressed gravel access areas, amenity planting, and riparian shade trees associated with river access node
13. Decomposed granite/ gravel with picnic tables and natural shade
14. Strengthened riparian vegetation zone- including additional trees as reinforcement for existing river edge trees
15. Existing trees cluster and picnic tables to be retained- understorey to be mulched with minimal low groundcover planting
16. Amenities building located for convenience to both the play zone and river node zone of Heritage Park



3.7 Heritage Park West- Kayak Launch Option

1. New accessible path along Brunswick Tce. Path located for park and street path network improvements. Path alignment to avoid passing directly under existing Bunya Pines to avoid seed drop zone
 2. Existing Bunya pines to be retained
 3. Existing amenities building servicing the park and tennis courts.
 4. Entry plaza to amenities block increasing visibility and accessibility to the toilet block. This plaza includes a bike rack and seating bench.
 5. Turf area linking amenities to the tennis court for improved passive surveillance
 6. Formalised car park and kayak drop off area including disabled car park- bollards between car park and park areas
 7. Concrete path and steps down to river
 8. Kayak launch area with accessible ramp to river. River bank protection works and terracing also required. Detailed investigations and design required.
 9. DAPB location for accessible river access
 10. Loading bay / drop-off bay
 11. Rain garden catching drainage off car park
 12. Backrest seat with river views and natural shade
 13. Reinforced river bank including stabilisation planting and potential rock protection works
 14. New shelter with BBQ
 15. New shelter with picnic table
 16. Open space for flexible use
 17. Strengthened riparian vegetation zone- native planting and trees for bank stabilisation
 18. Existing trees with mulch and picnic tables under
 19. Path connecting to Arboretum with wheel stops
- X** Existing Bunya Pine in poor condition to be removed






3.8 Tincogan Street Intersection

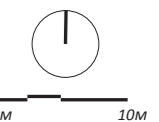
Improving the safety of the Tincogan Street / Brunswick Terrace intersection was a key outcome of the site analysis and community consultation. Changes are required to the intersection to improve pedestrian and vehicular safety. The following adjustments are proposed:

- Pedestrian refuge traffic islands located to the edges of the road and the centre of the road for improved safety at the pedestrian crossing point. The islands provide a physical barrier, a half way stopping point for pedestrians and traffic calming
- Carriage way adjustment widened to accommodate pedestrian refuge island
- Lanes approaching the intersection from Brunswick Terraces will be realigned to slow approaching traffic
- Stop signs located entering Tincogan Street from Brunswick Terrace
- Left hand turn only for vehicles entering Tincogan Street from Brunswick Terrace
- Left hand turn only for vehicles entering Brunswick Terrace from Tincogan Street

1. New pedestrian refuge and line marking to centre of Tincogan Street
2. Concrete traffic island
3. Road widening and slight traffic lane realignment
4. Realigned footpath
5. Additional footpath
6. Edge alignment adjustments to reduce speed of vehicles entering Tincogan Street

KEY

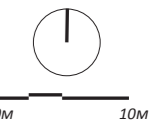
-  Tincogan / Murwillumbah Street movement
-  Left hand turn only
-  Stop sign



*Design coordinated with Byron Shire Council Engineers. Refer to appendix C.

3.9 Palm Park Entry

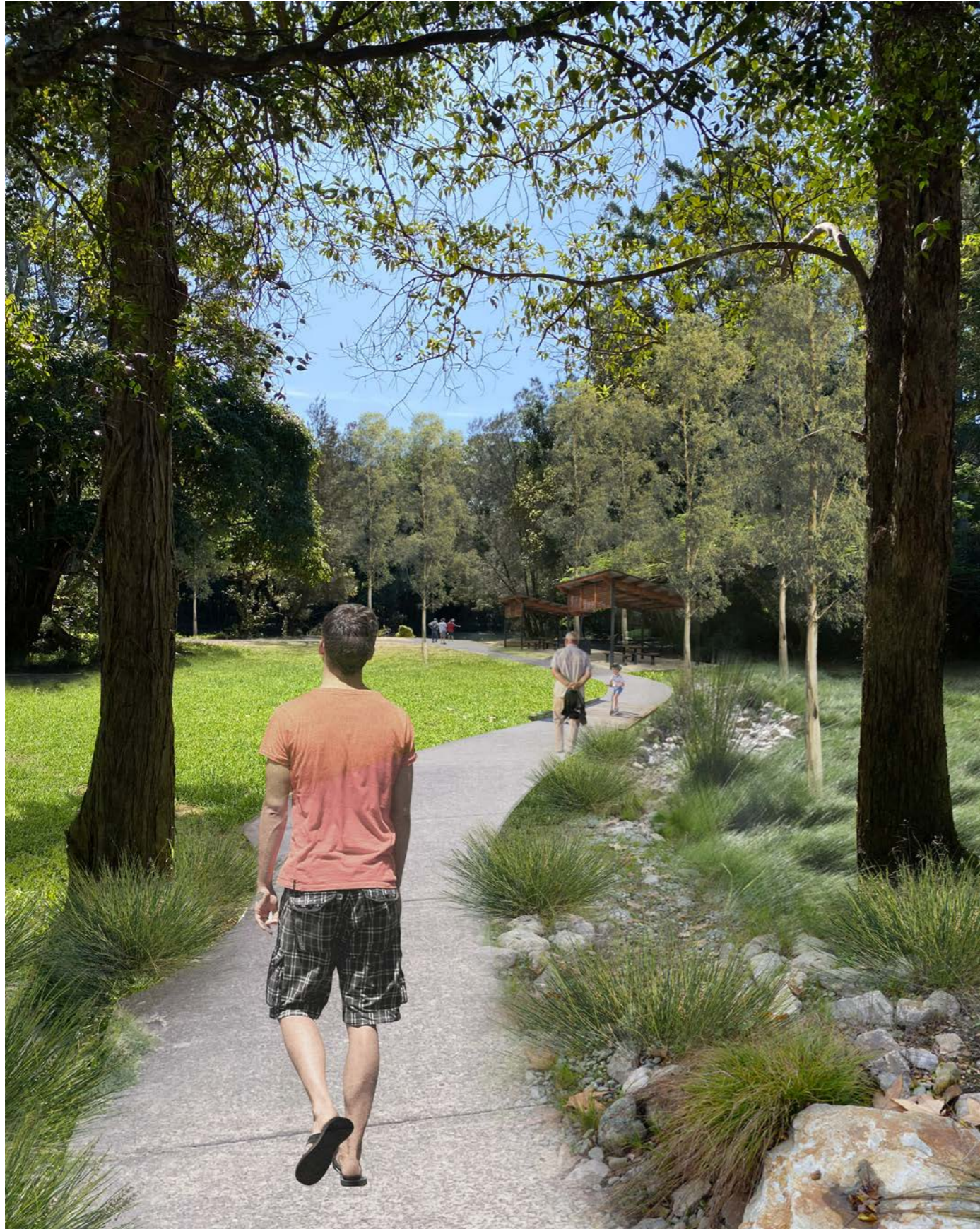
1. Concrete pathway nominal 2m wide
2. New concrete pathway nominal 1.5m wide- existing paver path in this area removed. New concrete path moved out of open space gully line to avoid ponding across path in wet times
3. Concrete pathway nominal 1.2m wide for roadside car parking access
4. On street parking retained
5. Stabilisation planting to Mullumbimby Creek edge- staged removal of Camphor laurel trees to be investigated to ensure trees through this zone can positively impact creek edge stability
6. Seating bench
7. Existing trees and turf area improved with selective vegetation management
8. Upgraded and widened bridge to accommodate a seating bench as well as access
9. Gathering deck across drainage line- provides access and a gathering space convenient to town centre public domain areas.
10. Existing heritage water trough retained as a feature. Existing Coolamon tree also retained
11. Compacted gravel connections crossing drainage line to create a permeable park edge
12. Existing drainage swale improvements including batter planting
13. Decomposed granite/ gravel seating area with views over Mullumbimby Creek- creating opportunities for social and environmental connection for park users
14. Existing artwork retained as main entry gateway to park
15. Park entry forecourt providing access, seating and information
16. Curved concrete or stone seating / entry wall
17. Entry, interpretive and wayfinding signage
18. Sandstone seats bringing the creative language of furniture palette of Mullumbimby main street into the park



3.10 Perspectives



VIEW
Looking east across the Heritage Park open space from the Arboretum arbour-drainage and riparian management planting, informal open space, new paths linking along the open space areas to the play area and parkland areas beyond



VIEW
 'Green spine' pedestrian entry to the Heritage Park- drainage upgrades, open space, shelters and riparian / river access node treatments

3.11 Design & Materials



HARD SURFACES
 Concrete & decomposed granite / compressed gravel

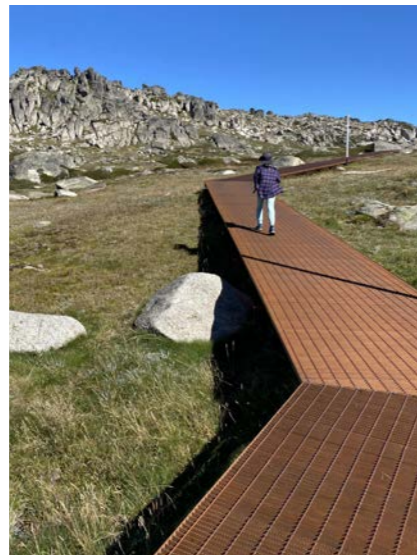
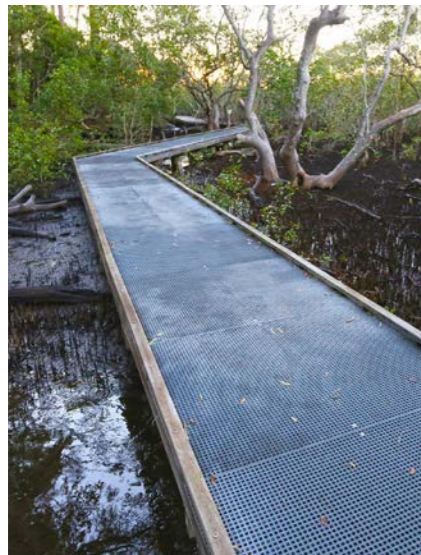


PATH SURFACES THROUGH ARBORETUM
 Accessible but flexible materials that require limited excavation and can be designed around tree locations- example images of walking tracks in Pottsville Environment Park and Daintree Rainforest





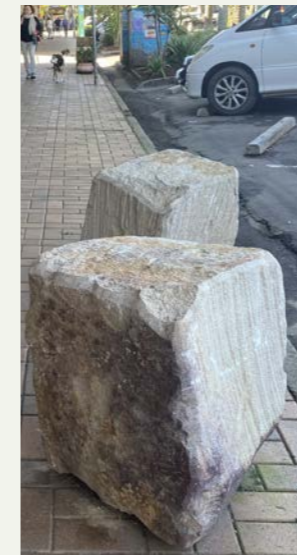
EQUITABLE RIVER ACCESS
Providing access to the water for all



BOARDWALK MATERIALS
Simple hard wearing, long lasting, and low maintenance materials



INFORMAL SEATS AND PLAY PLATFORMS
Large format and flexible furniture elements- natural materials



FEATURE SANDSTONE SEATS
Opportunities to extend bespoke furniture treatments of the main street into Palm Park to increase the connection between the two spaces



PARK SHELTERS & BBQ's
Usable facilities with hard wearing and low maintenance materials



PICNIC TABLES, SEATS & BIKE RACKS
Simple hard wearing, long lasting, and low maintenance materials



NATURE PLAY EXAMPLES



RIVER DECKS & TERRACES

WAYFINDING & INTERPRETATION

There are opportunities to introduce improved wayfinding to Heritage Park- this will assist users in understanding the facilities on offer, the distances and the linkages.

Cultural, heritage and environmental interpretive elements can also be increased and improved to ensure park users and visitors can fully appreciate the site, it's history, and the environment.

There are also further opportunities to provide educational signage relating to the palm species, arboretum species and sculpture walk.



WAYFINDING & INTERPRETATION EXAMPLES
Linking the park to the main street public domain areas

Any future staged works shall include additional consultation and engagement with relevant Indigenous representatives to assist in communicating cultural stories through the site. Council commitments include:

- **Cultural Heritage monitors in place during ground disturbance works**
- **Expression of interest for any additional works (labouring etc.)**
- **Opportunity for Arakwal artists to have their art on display**

* Location for wayfinding information

* Location for cultural and environmental interpretive information



3.12 Plant Palette

RIPARIAN PLANTING

Marblewood
River Oak
Swamp Oak
Davidsons Plum
Sweet Myrtle

Acacia bakeri
Casuarina cunninghamiana
Casuarina glauca
Davidsonia jerseyana
Gossia fragrantissima

GENERAL PLANTING

Rough Maidenhair
Marblewood
Honey buns
Midgem berry
Native Ginger
Swamp banksia
Yellow buttons
Giant Spear Lily
Minyon Quandong
Cheese Tree
Grevillea
Ficinia nodosa
Matt rush
Verday
Lime tuff
Swamp Box
Creeping boobialla
Rice paper flower
Large-leaved Wonga Vine
Firewheel Tree
Coolamon
Blue Lilly Pilly

Adiantum hispidulum
Acacia bakeri
Acacia howittii 'honey buns'
Austromyrtus dulcis
Alpinia arundelliana
Banksia robur
Chrysocephalum apiculatum
Doryanthes palmeri
Elaeocarpus sedentarius
Glochidion ferdinandi
Grevillea 'Lady O'
Knobby club-rush
Lomandra hystrix
Lomandra verday
Lomandra lime tuff
Lophostemon suaveolens
Myoporum parvifolium
Ozothamnus diosmifolius
Pandorea baileyana
Stenocarpus sinuatus
Syzygium moorei
Syzygium oleosum

DRAINAGE PLANTING

Cunjevoi
Tall sedge
Swamp Lily
Ficinia nodosa
Matt rush
Blue Flax Lily

Alocasia brisbanensis
Carex appressa
Crinum pedunculatum
Knobby club-rush
Lomandra hystrix
Dianella caerulea

Note: This planting list is not exhaustive and is to be used as an indicative guide only through detail design.



Davidsonia jerseyana



Syzygium moorei



Casuarina glauca



Lomandra verday



Knobby club-rush



Banksia robur



Grevillea 'Lady O'



Acacia howittii 'honey buns'



Chrysocephalum apiculatum



Austromyrtus dulcis



Myoporum parvifolium



Alocasia brisbanensis



HERITAGE PARK- the future

4.1 Future Works

NEW CONSTRUCTION & UPGRADE WORKS

New works within the park will be staged. The staging of these works will be guided by need, community desires, and available funds and works programming. The masterplan and associated costings are designed to guide future works, assist with funding allocations and applications, and staging.

ONGOING RIPARIAN MANAGEMENT

Ongoing riparian zone management will be required to ensure these ecological areas are protected. This will be essential for the protection of flora, fauna habitat and the river bank stabilisation. This is also important to safeguard against loss of open space areas to future erosion.

STAGED REMOVAL OF CAMPHOR LAUREL AND WEED SPECIES











The staged removal of Camphor laurels from river bank areas is an important part of riparian management. These trees should be replaced with appropriate native species that will assist long term river bank stability rather than undermine it.

ONGOING VEGETATION MANAGEMENT

To ensure improved safety and sight lines throughout the park are maintained, ongoing appropriate management of vegetation is required. Some selected palm removals may be required in Palm Park (eg. clumping palms immediately adjacent to paths). Through the arboretum management will involve regular careful and selective pruning to limit foliage encroachment on the path.

KEY

- understanding existing and proposed elements

-  Existing paths that can be retained- all other paths shown are new and/or upgraded paths
-  New park paths
-  New street paths
-  Existing arbour / shelter to be upgraded
-  Existing arbour to be retained
-  Existing playground upgrades. Audit required. Existing net climbing structure to be retained, swing to be retained- some older elements to be replaced
-  New shelters
-  New amenities block
-  Existing amenities to be retained
-  Selective vegetation management to improve passive surveillance- eg. clumping palms adjacent to paths will require management and possible removal



4.2 Future Process

Where to
from here?

Public consultation on draft master plan

Finalise Masterplan following consultation feedback

Finalise Masterplan presented for Council adoption

Project staging and funding allocation

Staged detailed design and consultation

Staged design approvals

Staged construction

Ongoing maintenance and management by Council and Landcare to ensure community vision is achieved

As outlined elsewhere in the document cultural and community consultation will continue as the project proceeds.

Council commitments include:

- **Cultural Heritage monitors in place during ground disturbance works**
- **Expression of interest for any additional works (labouring etc.)**
- **Opportunity for Arakwal artists to have their art on display**
- **Further discussion and enquiries as the project proceeds**



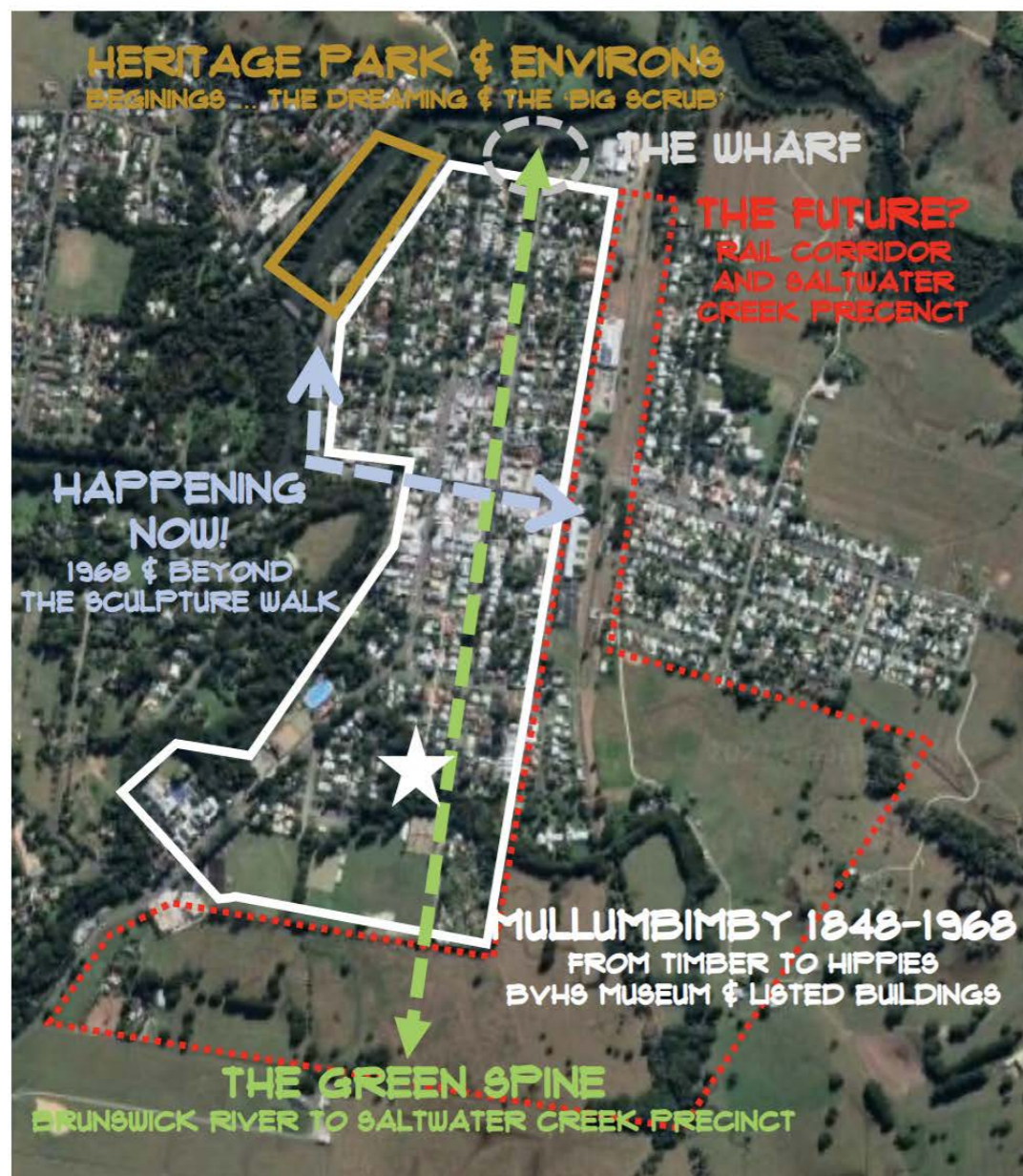
HERITAGE PARK- appendix

5.1 Appendix A

'Story Trail Concept' completed by Susan Tscicalas, Suvira McDonald, Madeleine Fauaht, David Brown (October 2021)

MULLUMBIMBY STORY TRAIL CONCEPTUAL MODEL

A FRAMEWORK FOR THE IDENTIFICATION AND IMPLEMENTATION OF FUNDING OPPORTUNITIES, WAYFINDING AND OTHER PROMOTIONAL ACTIVITIES



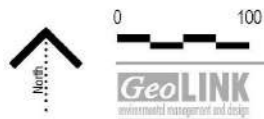
5.2 Appendix B

Pages extracted from 'Heritage Park Landscape Masterplan Biodiversity Assessment' by Australian Wetlands Consulting (Project # 1-211535b).





Mullumbimby Flying-fox Camp Location and Maximum Footprint



Byron Shire Flying-fox Camp Management Plan
2847-1008

Illustration 2.4

5.3 Appendix C

Engineering advice created by Byron shire Council Infrastructure Services.

