

# Appendices

A photograph of a waterfall cascading over a rocky cliff face, surrounded by dense forest and trees. The word 'Appendices' is overlaid in large white text.

SIXTY FOOT FALLS, MT ALEXANDRA RESERVE



# Appendices

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## **List of Appendices**

Appendix 1: Signage Template

Appendix 2: Inspection Intervals

Appendix 3: Funding Opportunities

Appendix 4: Order of Probable Costs

## Appendix 1: Signage Templates



# Trail Network or Reserve Name

## Sub-Heading



### Trail Network Map to include:

- Scale
- North arrow
- Legend
- Trail alignment (colour coded)
- Key trail features (e.g. lookouts)
- Key support infrastructure (e.g. picnic areas, car parking area)
- Key landscape features (e.g. rivers/creeks, contours if relevant)
- Key reference points (e.g. town centre, road names)

## Introduction

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## Environmental Sensitivities

### Example - Endangered Ecological Communities

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## Safety/Management

### Advice:

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### Trail User Conduct:

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### Bush Fire Safety:

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### Land Manger/emergency contact details:

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WARNING - GENERAL



SLIPPERY WHEN WET



STEEP DESCENT



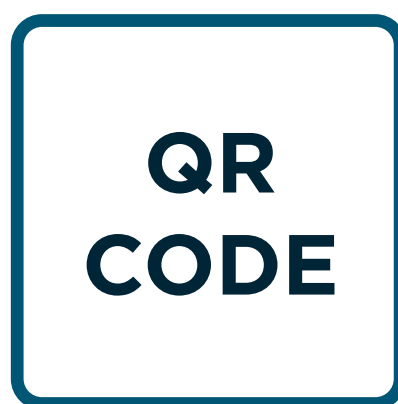
SLIPPERY ROCKS/SURFACE



WARNING - SNAKES

## Download Map Here

Scan the QR code below for a free map download:



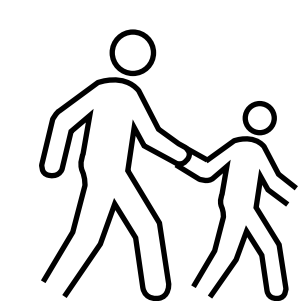
## Trail Classification System

### Grade 1



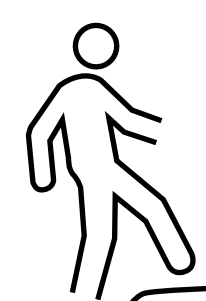
No bushwalking experience required. Flat even surface with no steps or steep sections. Suitable for wheelchair use.

### Grade 2



No bushwalking experience required. The track is a hardened or compacted surface and may have a gentle hill section or sections and occasional steps.

### Grade 3



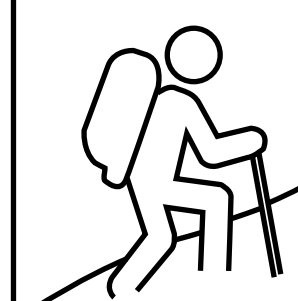
Some bushwalking experience recommended. Tracks may have short steep hill sections, a rough surface and many steps.

### Grade 4



Bushwalking experience recommended. Tracks may be long, rough and very steep.

### Grade 5



Very experienced bushwalkers with specialised skills, including navigation and emergency first aid. Tracks are likely to be very rough, very steep and unmarked.

## Trails

Name of Trail	Name of Trail	Name of Trail	Name of Trail
<b>Distance</b> xxxkm.	<b>Distance</b> xxxkm.	<b>Distance</b> xxxkm.	<b>Distance</b> xxxkm.
<b>Time</b> xx hrs / xx mins	<b>Time</b> xx hrs / xx mins	<b>Time</b> xx hrs / xx mins	<b>Time</b> xx hrs / xx mins
<b>Grade x</b> 	<b>Grade x</b> 	<b>Grade x</b> 	<b>Grade x</b> 
<b>Trail Description/Overview</b> Description of trail - Description of trail - Description of trail - Description of trail	<b>Trail Description/Overview</b> Description of trail - Description of trail - Description of trail - Description of trail	<b>Trail Description/Overview</b> Description of trail - Description of trail - Description of trail - Description of trail	<b>Trail Description/Overview</b> Description of trail - Description of trail - Description of trail - Description of trail

Working with you

WSC.NSW.GOV.AU





# Trail Network or Reserve Name

## Sub-Heading



### Introduction

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### Environmental Sensitivities

#### Example - Endangered Ecological Communities

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### Safety/Management

#### Advice:

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#### Trail User Conduct:

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#### Bush Fire Safety:

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Venistrum explis mosse imagnim id ut omnihil icabo.



CLIFF EDGE



SLIPPERY WHEN WET



STEEP DESCENT



SLIPPERY ROCKS/SURFACE



WARNING

### Native Flora and Fauna

#### Example - A

Venistrum explis mosse imagnim id ut omnihil ica Venistrue imagnim id ut omnihil icabo. Nemodi nis siminciis res ad que vel maxime nusQuis simil esus erovidus dolestest qui dolorestio omnihil ica Venistrum explis mosse imagnim id ut omnihil icabo. Nemodi nis siminciis res ad que vel maxime nusGiame quostia essinvel ea nusandebis voluptas nonsedio

#### Example - B

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#### Example - C

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#### Example - D

Venistrum explis mosse imagnim id ut omnihil ica Venistrue imagnim id ut omnihil icabo. Nemodi nis siminciis res ad que vel maxime nusQuis simil esus erovidus dolestest qui dolorestio omnihil ica Venistrum expli res ad que vel maxime nusGiame quostia essinvel ea nusandebis voluptas nonsedioGit, sequae occullam sapellest, inci non rere voluptia vellaccusam fugit fugit, omnis experi



### Trail Classification System



**Grade 1**  
No bushwalking experience required. Flat even surface with no steps or steep sections. Suitable for wheelchair use.



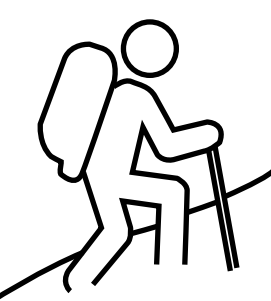
**Grade 2**  
No bushwalking experience required. The track is a hardened or compacted surface and may have a gentle hill section or sections and occasional steps.



**Grade 3**  
Some bushwalking experience recommended. Tracks may have short steep hill sections, a rough surface and many steps.



**Grade 4**  
Bushwalking experience recommended. Tracks may be long, rough and very steep.



**Grade 5**  
Very experienced bushwalkers with specialised skills, including navigation and emergency first aid. Tracks are likely to be very rough, very steep and unmarked.



# Trail Network or Reserve Name

## Trail Network Map

Trail Network Map to include:

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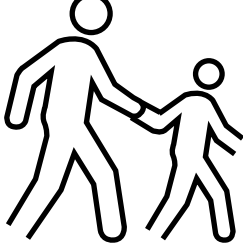
Trails

Name of Trail

Distance

xxxkm.

Grade x





Time

xx hrs / xx mins

Trail Description/Overview

Description of trail - Description of trail - Description of trail - Description of trail




Name of Trail

Distance

xxxkm.

Grade x





Time

xx hrs / xx mins

Trail Description/Overview

Description of trail - Description of trail - Description of trail - Description of trail




Name of Trail

Distance

xxxkm.

Grade x





Time

xx hrs / xx mins

Trail Description/Overview

Description of trail - Description of trail - Description of trail - Description of trail




Name of Trail

Distance

xxxkm.

Grade x





Time

xx hrs / xx mins

Trail Description/Overview

Description of trail - Description of trail - Description of trail - Description of trail




Name of Trail

Distance

xxxkm.

Grade x





Time

xx hrs / xx mins

Trail Description/Overview

Description of trail - Description of trail - Description of trail - Description of trail




Name of Trail

Distance

xxxkm.

Grade x





Time

xx hrs / xx mins

Trail Description/Overview

Description of trail - Description of trail - Description of trail - Description of trail




Name of Trail

Distance

xxxkm.

Grade x





Time

xx hrs / xx mins

Trail Description/Overview

Description of trail - Description of trail - Description of trail - Description of trail




Name of Trail

Distance

xxxkm.

Grade x





Time

xx hrs / xx mins

Trail Description/Overview

Description of trail - Description of trail - Description of trail - Description of trail



Download Map Here  
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# Wingecarribee Signage Suite

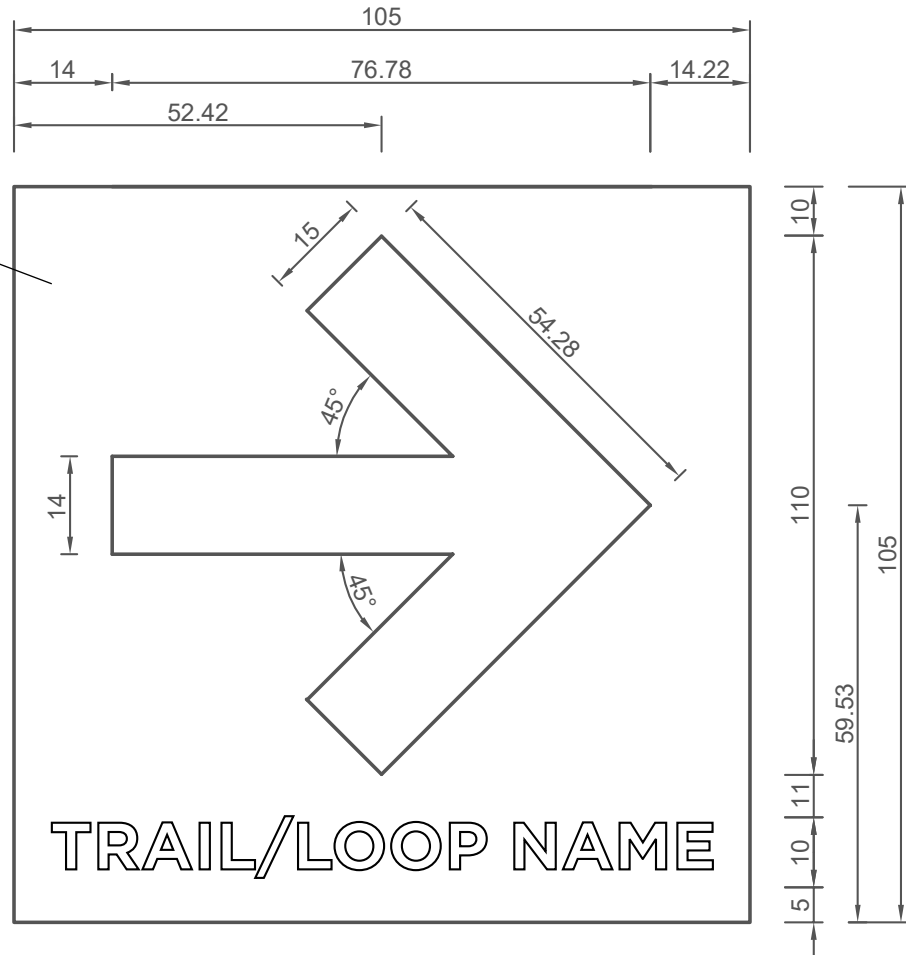
## Wayfinding Signage

### Waymarker Concept and Dimensions

Scale 1:1 @ A4

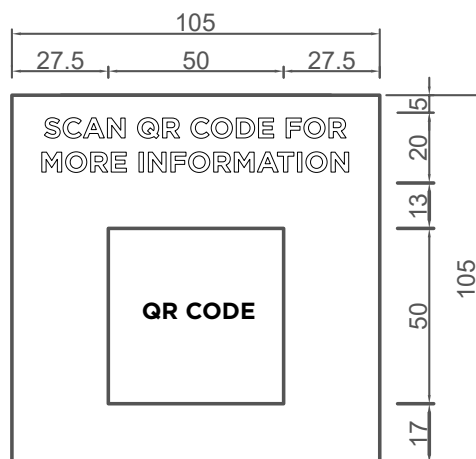
1.6mm aluminium symbol plate with painted arrow and text to be fixed to existing 125mm wide totem poles.

Refer to following pages for Waymarker Placement, Arrow Orientation and Colour Palette.



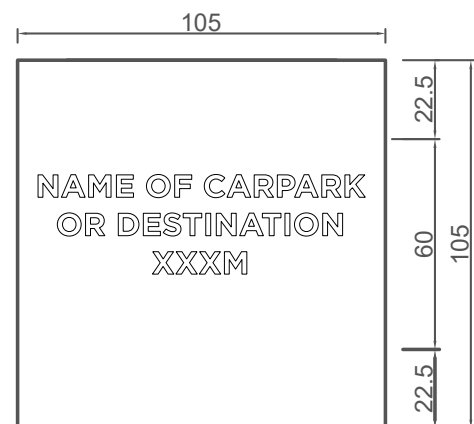
### QR Code Marker Dimensions

Scale 1:2 @ A4



### Carpark Distance Marker Dimensions

Scale 1:2 @ A4

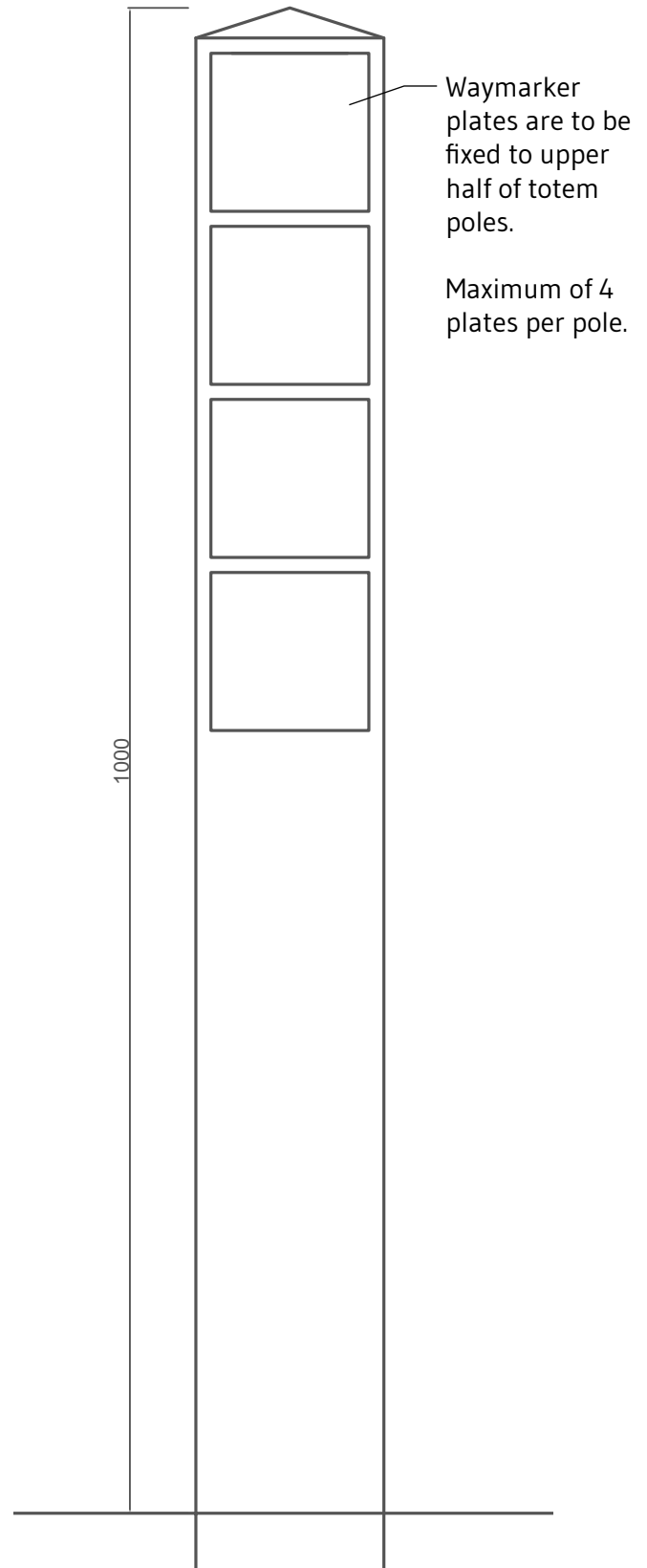
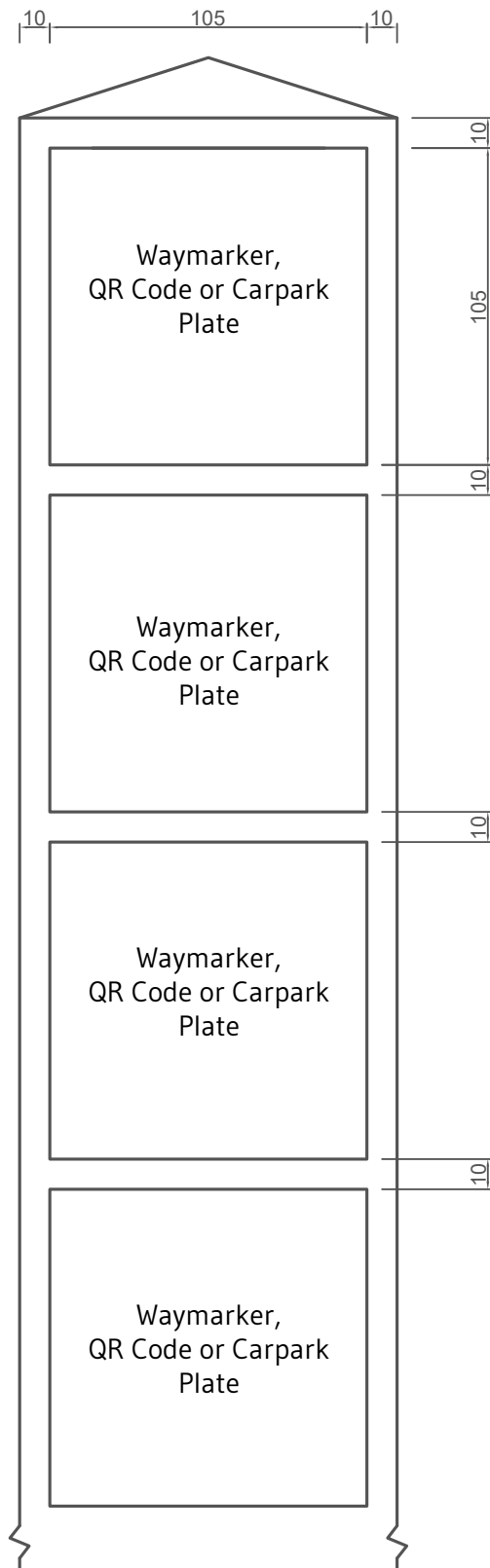


# Wingecaribee Signage Suite

## Wayfinding Signage

### Waymarker Placement

Not to Scale





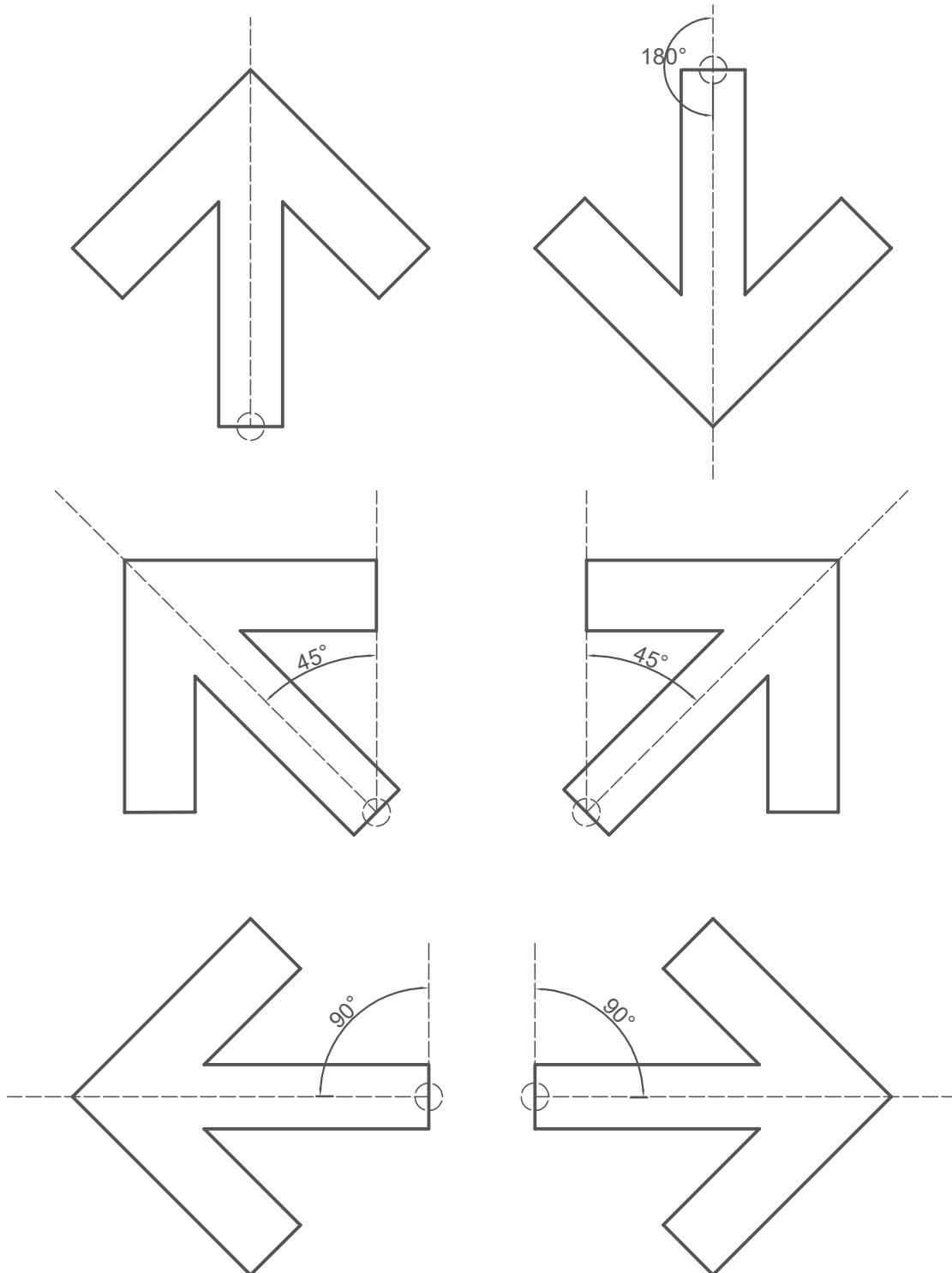
# Wingecaribee Signage Suite

## Wayfinding Signage

### Waymarker Arrow Orientation

Scale 1:2 @ A4

Arrows are to be oriented at 90° and 45° angles only.





# Wingecarribee Signage Suite

## Wayfinding Signage

### Colour Palette

Colour of waymarkers and track identification are to where possible utilise the Shire of Wingecarribee Brand Style Guides Colour Palette.

It is recommended that only one colour from each of the Teal, Red, Navy and Green colour palettes below are used at a single trail network to ensure a suitable contrast of colours between waymarking signs.




Where necessary, for example if there is more than four trails, more colours may be utilised from outside of the Shires identified color palette to ensure a broad spectrum of colours to eliminate confusion between trails.

PMS white arrow and/or text to be painted over selected background colour.






\*Not to scale - colour reference only




#### TEAL

Light		C50 M0 Y22 K0 R121 G205 B205 PMS 630 C
Mid		C67 M0 Y25 K10 R50 G175 B182 PMS 2233 C
Dark		C80 M10 Y30 K20 R0 G142 B152 PMS 321 C




#### RED

Light		C0 M90 Y75 K0 R239 G64 B68 PMS 1788 C
Mid		C10 M95 Y85 K10 R199 G45 B50 PMS 711 C
Dark		C20 M100 Y90 K20 R167 G27 B40 PMS 187 C

#### NAVY

Light		C80 M30 Y10 K50 R0 G86 B116 PMS 2161 C
Mid		C95 M55 Y20 K60 R0 G51 B82 PMS 7463 C
Dark		C100 M50 Y35 K75 R0 G37 B54 PMS 546 C

#### GREEN

Light		C50 M0 Y100 K0 R141 G198 B63 PMS 7488 C
Mid		C55 M0 Y100 K15 R110 G170 B57 PMS 7737 C
Dark		C60 M0 Y100 K30 R81 G144 B50 PMS 363 C



## Appendix 2: Inspection Intervals



# Appendix 2

The following table provides an indicative guide to assist Council in determining the appropriate intervals for inspections of walking tracks, according to *Australian Standard 2156.1 – 2001: Walking Tracks Part 1- Classification and Signage*. The table provides the identified walking track's name, grade, applicable risk management guidelines, and guide to the frequency and timing of inspections across the calendar year.

## Inspection Intervals - Guide only

Trail Name	Grade	AS 2156.1-2001 Risk Management	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Mt Alexandra Reserve (primary access from Box Vale Trailhead)														
Box Vale Track	3	Built elements will be inspected and maintained regularly. Any built facilities will be managed for public risk. Inspection interval: 6 month or less			√						√			
40 Foot Falls Track (Box Vale Trailhead to Falls)	4	Tracks will be inspected on a regular basis and after major natural events such as cyclones or fires. Any built facilities will be managed for public risk. Inspection interval: 6 to 12 months.			√*						√*			
Nattai Loop Track	5	Tracks will not be managed for public risk. Users will be responsible for personal safety and need to exercise appropriate care.									√^			
Mt Alexandra Reserve (primary access from lake Alexandra Trailhead)														
Katoomba Lookout Trail	3	Built elements will be inspected and maintained regularly. Any built facilities will be managed for public risk. Inspection interval: 6 month or less			√						√			
Boulder Valley Track	4	Tracks will be inspected on a regular basis and after major natural events such as cyclones or fires. Any built facilities will be managed for public risk. Inspection interval: 6 to 12 months.			√*						√*			
40 Foot Falls Track (Lake Alexandra to Falls)	4				√*						√*			
60 Foot Falls Track	4				√*						√*			
Big Rock Link Track	4				√*						√*			
Mountain Circuit	5	Tracks will not be managed for public risk. Users will be responsible for personal safety and need to exercise appropriate care.												
Lake Alexandra Reserve														
Lake Alexandra Circuit	1	Tracks and adjacent natural and built elements will be inspected and maintained regularly. Inspection interval: 30 days or less	√	√	√	√	√	√	√	√	√	√	√	√



# Appendix 2

Trail Name	Grade	AS 2156.1-2001 Risk Management	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Mount Gibraltar Reserve														
Bowral Lookout Trail	1	Tracks and adjacent natural and built elements will be inspected and maintained regularly. Inspection interval: 30 days or less	√	√	√	√	√	√	√	√	√	√	√	√
Heritage Quarries Track	3	Built elements will be inspected and maintained regularly. Any built facilities will be managed for public risk. Inspection interval: 6 months or less			√						√			
Rim Track	3				√						√			
Reservoir Ravine Track	4	Tracks will be inspected on a regular basis and after major natural events such as cyclones or fires. Any built facilities will be managed for public risk. Inspection interval: 6 to 12 months.			√*						√*			
Gibbergunyah Reserve														
Geebung Track	3	Built elements will be inspected and maintained regularly. Any built facilities will be managed for public risk. Inspection interval: 6 month or less			√						√			
Gibbergunyah Walk	4	Tracks will be inspected on a regular basis and after major natural events such as cyclones or fires. Any built facilities will be managed for public risk. Inspection interval: 6 to 12 months.			√*						√*			
The Glen Track	4				√*						√*			
Hammock Hill														
Unnamed Trail 1	2	Tracks and adjacent natural and built elements will be inspected and maintained regularly. Inspection interval: 90 days or less		√			√			√			√	
Unnamed Trail 2	3	Built elements will be inspected and maintained regularly. Any built facilities will be managed for public risk. Inspection interval: 6 months or less		√						√				
Mansfield Reserve														
Wallaby Track	2	Tracks and adjacent natural and built elements will be inspected and maintained regularly. Inspection interval: 90 days or less		√			√			√			√	
Wombat Track	2			√			√			√			√	
Bundanoon														
Governors Road Walking Track	2	Tracks and adjacent natural and built elements will be inspected and maintained regularly. Inspection interval: 90 days or less		√			√			√			√	



# Appendix 2

Trail Name	Grade	AS 2156.1-2001 Risk Management	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Glow Worm Glen - William St Access	3	Built elements will be inspected and maintained regularly. Any built facilities will be managed for public risk. Inspection interval: 6 month or less		√						√				
Bong Bong Common (Link to Cecil Hoskins Nature Reserve)														
Cecil Hoskins Link Track	2	Tracks and adjacent natural and built elements will be inspected and maintained regularly. Inspection interval: 90 days or less		√			√			√			√	
Berrima														
Berrima River Trail	2	Tracks and adjacent natural and built elements will be inspected and maintained regularly. Inspection interval: 90 days or less		√			√			√			√	
Lambies Well	2			√			√			√			√	
Berrima Weir Walk	2			√			√			√			√	
Stone Quarry Walk	3	Built elements will be inspected and maintained regularly. Any built facilities will be managed for public risk. Inspection interval: 6 month or less					√						√	

√\* - Inspection interval has a range (6-12 months), however it is recommended that tracks with high levels of built features and usage are inspected more frequently than 12-monthly.

√^ -Level 5 classification notes that tracks will not be managed for public risk, however because there are built features associated with the track it is recommended that it be inspected once a year.



## Appendix 3: Funding Opportunities



A variety of external funding sources to support the development of recreational facilities, such as trails, are potentially available for the implementation of the Strategy, as outlined below. Funding can be procured from a variety of sources locally and at state and federal levels. These programs change regularly, and it is important to contact the funding agency/organisation to get up to date details on funding guidelines and determine eligibility and a funding strategy eligibility.

## Sport NSW Grants Schedule Summary

As part of Sport NSW's commitment to advocating for and strengthening the sports sector - grants information is provided as a Sport NSW Grants Schedule Summary document which is regularly updated to making this information easily accessible and in one place.

This regularly updated Grants Schedule is available online via <https://www.sportnsw.com.au/resources--reports/grants/>

## NSW Government

Current or recent grant programs available through the NSW Government which may be relevant to the implementation of this Strategy include:

- Community Building Partnership Program
- Stronger Country Communities Fund
- Regional Growth – Environment and Tourism Fund
- Emergency Bushfire Response Grants

## Federal Government

Current or recent grant programs available through the Australian Government which may be relevant to the implementation of this Strategy include:

- Building Better Regions Fund
- Stronger Communities Programme
- Community Development Grants Programme
- Volunteer Grants

## Commercial and Private Sector Funding

Commercial and private sector funding is often used by organisations to assist with facility developments and ongoing operations.

Opportunities such as naming rights and in-kind donations of labour and materials are a potential resource for new facility developments and upgrades.

For example, Jetstar's Flying Start Program – provides grants of up to \$30,000 to support community groups and organisations to fund a project that will enrich their local community. Refer <http://www.jetstar.com/au/en/flyingstart>

## Not-for-profit organisations

Australian Sports Foundation – The foundation operates the Fundraising4Sport Program to increase opportunities for Australians to participate in sport or excel in sport performance. Refer <https://asf.org.au/>.

Foundation for Rural and Regional Renewal – provides grant funding for charitable purposes that benefits the residents of Australia's rural, regional or remote communities. Refer: [http://www.frrr.org.au/cb\\_pages/grants.php](http://www.frrr.org.au/cb_pages/grants.php)

Trusts and Foundations - There are numerous trusts and foundations established in Australia and a number provide funding for projects such as this. Often, they are established by large corporations. Refer [www.philanthropy.org.au](http://www.philanthropy.org.au)

## Peak Bodies, Associations and Clubs -

Contributions from clubs and associations developing facilities and other initiatives is common. This may include funds generated through fundraising efforts, loans and savings. Peak bodies and associations may also have funds which could be contributed towards the projects.

## Other

There are other not for profit organisations that provide on the ground support in relation to trail maintenance and development, such as Green Corps, Conservation Volunteers Australia, "Friends of" Groups and Residents associations.



## Appendix 4: Order of Probable Cost



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ORDER OF COST ESTIMATE

JULY 2020

## WINGECARRIBEE RECREATIONAL WALKING TRACKS



# WINGECARRIBEE RECREATIONAL WALKING TRACKS

## Order of Cost Estimate

### Project Details

#### Description

##### ***Basis of Estimate***

This estimate is based upon measured quantities to which we have applied rates and conditions we currently believe applicable as at **July 2020**. We assumed that the project will be competitively tendered under standard industry conditions and form of contract.

This cost estimate is based on the documentation listed under the "Documents" section and does not at this stage provide a direct comparison with tenders received for the work at any future date. To enable monitoring of costs this estimate should be updated regularly during the design and documentation phases of this project.

Quantities for this estimate have been provided by Tredwell Management.

##### COVID-19 Impact

Our estimate has been prepared on the basis of normal economic and industry circumstances. The full impact of COVID-19 is unknown at this stage and changing daily. Our estimate makes no provision for the impacts of COVID-19 virus and we advise that an impact on the estimate is probable and could vary considerably depending on the extent of a variety of issues. These may include but are not limited to the following issues, which are intended as a guide as opposed to a comprehensive list:

- Economy, industry and society shut down
- Exchange rate fluctuations (our estimate reflects pricing as at the US\$0.70 market exchange rate at Q2 2020 and not the current rates).
- Off shore manufacturing capacity and delivery timing
- On shore site deliveries of plant, materials and equipment
- On site staff to manage productivity of the works
- On site labour to implement the works

RLB has observed that, for key construction components, there is an increasing reluctance by contractors to commit to a definitive programme or cost for future projects. This estimate does not consider increased project costs due to potential programme delays, alternative procurement methods of materials and/or labour nor the wider potential impact of COVID-19 on construction activities.

##### Potential COVID-19 Actions

RLB recommends that a project contingency provision is made for COVID-19 impacts dependent of the status of the design and delivery cycle of the project. We would be pleased to discuss suitable provisions.

RLB recommends undertaking a risk analysis of this issue and we would be pleased to assist in the preparation of an order of cost assessment and/or sensitivity analysis for the project based on defined criteria. Our new programming capability can also be of assistance in these matters.

Please let us know if you would like RLB to assist with a sensitivity analysis on the exchange rate fluctuations to inform on the impact of the current exchange rate and potentially include in any additional COVID-19 project contingency.

RLB anticipate that the impact on the estimate may only be in the short to medium term and that long-term impacts may revert to normal circumstances but this will be subject to ongoing monitoring.

##### ***Items Specifically Included***

This estimate specifically includes the following:



# WINGECARRIBEE RECREATIONAL WALKING TRACKS

## Order of Cost Estimate

### Project Details

#### Description

##### Contingencies & Escalation

The estimate includes the following contingency allowances:

- Design Development Contingency which allows for issues that will arise during the design and documentation period as the design team develops the design through to 100% documentation
- Construction Contingency which allows for issues that will arise during the construction period including for latent conditions, design errors and omissions, design changes, client changes, extension of time costs and provisional sum adjustments.

##### ***Items Specifically Excluded***

The estimate **specifically excludes** the following which should be considered in an overall project feasibility study:

##### Risk Exclusions

- Relocation and upgrade of existing services
- Repair to any damage caused to unidentified services during the performing of the works
- Contaminated ground Removal and Reinstatement
- Removal and Reinstatement of any soft, wet and weak spots in sub-grade
- Asbestos and Hazardous Materials Removal
- Rock excavation
- Retaining walls
- Staging / Phasing costs

##### Other Project Cost Exclusions

- Land costs
- Legal fees
- Goods and Services Taxation
- Escalation in costs from **June 2020** to future construction period.

##### ***Documents***

The following documents have been used in preparing this estimate:

Date Received

##### Documents prepared by Tredwell Management

- |  |          |
|--|----------|
| ■ Wingecarribee Walking Trail Costing 200623 | 23/06/20 |
|--|----------|



# WINGECARRIBEE RECREATIONAL WALKING TRACKS

## Order of Cost Estimate

Location Summary

Rates Current At July 2020

Location	Total Cost
A HAMMOCK HILL RESERVE	48,140.00
B MANSFIELD RESERVE	146,650.00
C RIVER BEND & BERRIMA RIVER RESERVES	812,950.00
D STONE QUARRY WALK	52,740.00
E BERRIMA WEIR RESERVE	227,550.00
F MOUNT GIBRALTAR RESERVE	1,268,020.00
G GIBBERGUNYAH RESERVE	205,470.00
H MT ALEXANDRA (BOX VALE TRAILHEAD)	755,690.00
I MT ALEXANDRA (LAKE ALEXANDRA TRAILHEAD)	298,100.00
J WELBY WEIR	38,720.00
K BONG BONG COMMON - CECIL HOSKINS NATURE RESERVE	6,100.00
L GLOW WORM GLEN - WILLIAM STREET RESERVE	101,950.00
M GOVERNORS ROAD	680,750.00
ESTIMATED NET COST	
	\$4,642,830.00
MARGINS & ADJUSTMENTS	
Escalation	Excl.
ESTIMATED TOTAL COST	
	\$4,642,830.00



# WINGECARRIBEE RECREATIONAL WALKING TRACKS

## Order of Cost Estimate

Location Element Item

A HAMMOCK HILL RESERVE

Rates Current At July 2020

Description	Unit	Qty	Rate	Total
<b>PR Preliminaries</b>				
52 Preliminaries and supervision (10%)	Item			3,000.00
<b>Preliminaries</b>				<b>\$3,000.00</b>
<b>FT Fitments</b>				
1 Picnic table including concrete slab	No	1	6,500.00	6,500.00
3 Trail head sign custom sign - steel frame with aluminium attached, 841 x 1189mm	No	1	1,500.00	1,500.00
4 Waymarkers on posts including footing	No	12	550.00	6,600.00
5 Timber bench seat Hammock hill style	No	2	1,600.00	3,200.00
6 Bollard	No	1	1,100.00	1,100.00
7 Interpretative sign steel frame with aluminium attached 594mm x 841mm	No	3	650.00	1,950.00
<b>Fitments</b>				<b>\$20,850.00</b>
<b>XP Site Preparation</b>				
51 Allowance to clear existing topsoil and dispose on site	m <sup>2</sup>	240	5.00	1,200.00
<b>Site Preparation</b>				<b>\$1,200.00</b>
<b>XR Roads, Footpaths and Paved Areas</b>				
2 100mm thick Crushed gravel paving including boxing out, basecourse etc	m <sup>2</sup>	240	38.00	9,120.00
<b>Roads, Footpaths and Paved Areas</b>				<b>\$9,120.00</b>
<b>XK External Stormwater Drainage</b>				
60 No allowance for stormwater to general pavement types	Item			Excl.
<b>External Stormwater Drainage</b>				<b>Excl.</b>
<b>XX Alterations and Renovations to Existing External Works</b>				
41 Demolition of existing waymarkers including removal of debris off site - assumed 30% of new required	No	4	80.00	320.00
42 Demolition of existing bench seating including removal of debris off site	No	2	200.00	400.00
43 Demolition of existing picnic table including removal of debris off site	No	1	250.00	250.00
<b>Alterations and Renovations to Existing External Works</b>				<b>\$970.00</b>
<b>MA Builders Margin</b>				
53 Margin and overheads (10%)	Item			3,500.00
<b>Builders Margin</b>				<b>\$3,500.00</b>
<b>PF Professional Fees</b>				
56 Professional fees (8%)	Item			3,500.00
<b>Professional Fees</b>				<b>\$3,500.00</b>
<b>CO Contingency</b>				
54 Design contingency (10%)	Item			4,000.00
55 Construction contingency (5%)	Item			2,000.00
<b>Contingency</b>				<b>\$6,000.00</b>



## Order of Cost Estimate

### A HAMMOCK HILL RESERVE (continued)

### Rates Current At July 2020

Description		Unit	Qty	Rate	Total
NA	Not Allocated to Element				
57	Statutory fees and charges (0.5%)	Item			0.00
		<i>Not Allocated to Element</i>			<i>\$0.00</i>
	<i>HAMMOCK HILL RESERVE</i>				<i>\$48,140.00</i>



# WINGECARRIBEE RECREATIONAL WALKING TRACKS

## Order of Cost Estimate

Location Element Item

**B MANSFIELD RESERVE**

Rates Current At July 2020

Description	Unit	Qty	Rate	Total
<b>PR Preliminaries</b>				
52 Preliminaries and supervision (10%)	Item			9,500.00
<b>Preliminaries</b>				<b>\$9,500.00</b>
<b>FT Fitments</b>				
1 Picnic table including concrete slab	No	1	6,500.00	6,500.00
4 Waymarkers on posts including footing	No	15	550.00	8,250.00
7 Interpretative sign steel frame with aluminium attached 594mm x 841mm	No	3	650.00	1,950.00
9 New 2 panel trail head sign to existing structure including removal of existing sign	No	1	1,500.00	1,500.00
<b>Fitments</b>				<b>\$18,200.00</b>
<b>XP Site Preparation</b>				
51 Allowance to clear existing topsoil and dispose on site	m <sup>2</sup>	1,000	5.00	5,000.00
<b>Site Preparation</b>				<b>\$5,000.00</b>
<b>XR Roads, Footpaths and Paved Areas</b>				
13 50mm Thick asphalt pavement including boxing out, basecourse etc. - assumed 5m wide	m <sup>2</sup>	750	85.00	63,750.00
14 Crushed gravel car packing paving including boxing out, basecourse etc. - Assumed 100mm thick	m <sup>2</sup>	250	38.00	9,500.00
<b>Roads, Footpaths and Paved Areas</b>				<b>\$73,250.00</b>
<b>XK External Stormwater Drainage</b>				
60 No allowance for stormwater to general pavement types	Item			Excl.
<b>External Stormwater Drainage</b>				<b>Excl.</b>
<b>XX Alterations and Renovations to Existing External Works</b>				
40 Demolition of existing trail head sign including removal of debris off site	No	1	300.00	300.00
41 Demolition of existing waymarkers including removal of debris off site - assumed 30% of new required	No	5	80.00	400.00
<b>Alterations and Renovations to Existing External Works</b>				<b>\$700.00</b>
<b>MA Builders Margin</b>				
53 Margin and overheads (10%)	Item			10,500.00
<b>Builders Margin</b>				<b>\$10,500.00</b>
<b>PF Professional Fees</b>				
56 Professional fees (8%)	Item			11,000.00
<b>Professional Fees</b>				<b>\$11,000.00</b>
<b>CO Contingency</b>				
54 Design contingency (10%)	Item			11,500.00
55 Construction contingency (5%)	Item			6,500.00
<b>Contingency</b>				<b>\$18,000.00</b>







# WINGECARRIBEE RECREATIONAL WALKING TRACKS

## Order of Cost Estimate

Location Element Item

C RIVER BEND & BERRIMA RIVER RESERVES

Rates Current At July 2020

Description	Unit	Qty	Rate	Total
<b>PR Preliminaries</b>				
52 Preliminaries and supervision (10%)	Item			53,500.00
<b>Preliminaries</b>				<b>\$53,500.00</b>
<b>FT Fitments</b>				
3 Trail head sign custom sign - steel frame with aluminium attached, 841 x 1189mm	No	1	1,500.00	1,500.00
4 Waymarkers on posts including footing	No	15	550.00	8,250.00
7 Interpretative sign steel frame with aluminium attached 594mm x 841mm	No	1	650.00	650.00
11 Timber bench seat River bend style	No	2	1,100.00	2,200.00
<b>Fitments</b>				<b>\$12,600.00</b>
<b>BW Builders Work In Connection with Specialist Services</b>				
58 Builders work in connection with services	Item			15,500.00
<b>Builders Work In Connection with Specialist Services</b>				<b>\$15,500.00</b>
<b>XP Site Preparation</b>				
51 Allowance to clear existing topsoil and dispose on site	m <sup>2</sup>	650	5.00	3,250.00
<b>Site Preparation</b>				<b>\$3,250.00</b>
<b>XR Roads, Footpaths and Paved Areas</b>				
13 50mm Thick asphalt pavement including boxing out, basecourse etc. - assumed 5m wide	m <sup>2</sup>	500	85.00	42,500.00
14 Crushed gravel car packing paving including boxing out, basecourse etc. - Assumed 100mm thick	m <sup>2</sup>	150	38.00	5,700.00
21 Trail development to natural ground - assumed up to 1m wide	m	1,000	35.00	35,000.00
<b>Roads, Footpaths and Paved Areas</b>				<b>\$83,200.00</b>
<b>XB Outbuildings and Covered Ways</b>				
15 Allowance for Berrima camping park toilet renewal - as budgeted in Capex funding Berrima Camping Park Toilet Block Renewal (SRV) \$420,000 for 2022/23	Item			420,000.00
<b>Outbuildings and Covered Ways</b>				<b>\$420,000.00</b>
<b>XK External Stormwater Drainage</b>				
60 No allowance for stormwater to general pavement types	Item			Excl.
<b>External Stormwater Drainage</b>				<b>Excl.</b>
<b>XX Alterations and Renovations to Existing External Works</b>				
40 Demolition of existing trail head sign including removal of debris off site	No	2	300.00	600.00
41 Demolition of existing waymarkers including removal of debris off site - assumed 30% of new required	No	5	80.00	400.00
42 Demolition of existing bench seating including removal of debris off site	No	2	200.00	400.00
<b>Alterations and Renovations to Existing External Works</b>				<b>\$1,400.00</b>

# WINGECARRIBEE RECREATIONAL WALKING TRACKS

## Order of Cost Estimate

Location Element Item

**C RIVER BEND & BERRIMA RIVER RESERVES (continued)**

Rates Current At July 2020

Description	Unit	Qty	Rate	Total
<b>MA Builders Margin</b>				
53 Margin and overheads (10%)	Item			59,000.00
<b>Builders Margin</b>				<b>\$59,000.00</b>
<b>PF Professional Fees</b>				
56 Professional fees (8%)	Item			60,000.00
<b>Professional Fees</b>				<b>\$60,000.00</b>
<b>CO Contingency</b>				
54 Design contingency (10%)	Item			65,000.00
55 Construction contingency (5%)	Item			35,500.00
<b>Contingency</b>				<b>\$100,500.00</b>
<b>NA Not Allocated to Element</b>				
57 Statutory fees and charges (0.5%)	Item			4,000.00
<b>Not Allocated to Element</b>				<b>\$4,000.00</b>
<b>RIVER BEND &amp; BERRIMA RIVER RESERVES</b>				<b>\$812,950.00</b>



# WINGECARRIBEE RECREATIONAL WALKING TRACKS

## Order of Cost Estimate

Location Element Item

### D STONE QUARRY WALK

Rates Current At July 2020

Description	Unit	Qty	Rate	Total
<b>PR Preliminaries</b>				
52 Preliminaries and supervision (10%)	Item			3,500.00
<b>Preliminaries</b>				<b>\$3,500.00</b>
<b>FT Fitments</b>				
3 Trail head sign custom sign - steel frame with aluminium attached, 841 x 1189mm	No	1	1,500.00	1,500.00
4 Waymarkers on posts including footing	No	4	550.00	2,200.00
7 Interpretative sign steel frame with aluminium attached 594mm x 841mm	No	3	650.00	1,950.00
12 Timber bench seat Stone quarry style	No	2	1,800.00	3,600.00
16 Safety sign 450mm x 600mm	No	2	650.00	1,300.00
<b>Fitments</b>				<b>\$10,550.00</b>
<b>XP Site Preparation</b>				
51 Allowance to clear existing topsoil and dispose on site	m²	510	5.00	2,550.00
<b>Site Preparation</b>				<b>\$2,550.00</b>
<b>XR Roads, Footpaths and Paved Areas</b>				
2 100mm thick Crushed gravel paving including boxing out, basecourse etc	m²	360	38.00	13,680.00
14 Crushed gravel car packing paving including boxing out, basecourse etc. - Assumed 100mm thick	m²	150	38.00	5,700.00
<b>Roads, Footpaths and Paved Areas</b>				<b>\$19,380.00</b>
<b>XK External Stormwater Drainage</b>				
60 No allowance for stormwater to general pavement types	Item			Excl.
<b>External Stormwater Drainage</b>				<b>Excl.</b>
<b>XX Alterations and Renovations to Existing External Works</b>				
40 Demolition of existing trail head sign including removal of debris off site	No	4	300.00	1,200.00
41 Demolition of existing waymarkers including removal of debris off site - assumed 30% of new required	No	2	80.00	160.00
42 Demolition of existing bench seating including removal of debris off site	No	2	200.00	400.00
<b>Alterations and Renovations to Existing External Works</b>				<b>\$1,760.00</b>
<b>MA Builders Margin</b>				
53 Margin and overheads (10%)	Item			4,000.00
<b>Builders Margin</b>				<b>\$4,000.00</b>
<b>PF Professional Fees</b>				
56 Professional fees (8%)	Item			4,000.00
<b>Professional Fees</b>				<b>\$4,000.00</b>
<b>CO Contingency</b>				
54 Design contingency (10%)	Item			4,000.00
55 Construction contingency (5%)	Item			2,500.00
<b>Contingency</b>				<b>\$6,500.00</b>





# WINGECARRIBEE RECREATIONAL WALKING TRACKS

## Order of Cost Estimate

Location Element Item

**E BERRIMA WEIR RESERVE**

Rates Current At July 2020

Description	Unit	Qty	Rate	Total
<b>PR Preliminaries</b>				
52 Preliminaries and supervision (10%)	Item			15,000.00
<b>Preliminaries</b>				<b>\$15,000.00</b>
<b>FT Fitments</b>				
1 Picnic table including concrete slab	No	1	6,500.00	6,500.00
3 Trail head sign custom sign - steel frame with aluminium attached, 841 x 1189mm	No	1	1,500.00	1,500.00
4 Waymarkers on posts including footing	No	10	550.00	5,500.00
7 Interpretative sign steel frame with aluminium attached 594mm x 841mm	No	3	650.00	1,950.00
17 Bench seat	No	2	1,800.00	3,600.00
<b>Fitments</b>				<b>\$19,050.00</b>
<b>XP Site Preparation</b>				
51 Allowance to clear existing topsoil and dispose on site	m <sup>2</sup>	500	5.00	2,500.00
<b>Site Preparation</b>				<b>\$2,500.00</b>
<b>XR Roads, Footpaths and Paved Areas</b>				
14 Crushed gravel car packing paving including boxing out, basecourse etc. - Assumed 100mm thick	m <sup>2</sup>	250	38.00	9,500.00
21 Trail development to natural ground - assumed up to 1m wide	m	700	35.00	24,500.00
22 Gravel entrance road paving including boxing out, basecourse etc - assumed 5m wide	m <sup>2</sup>	250	38.00	9,500.00
24 Pedestrian boardwalk bridge over Wingecarribee River - assumed 20m long and light weight construction (not a suspension bridge)	Item			85,000.00
<b>Roads, Footpaths and Paved Areas</b>				<b>\$128,500.00</b>
<b>XK External Stormwater Drainage</b>				
60 No allowance for stormwater to general pavement types	Item			Excl.
<b>External Stormwater Drainage</b>				<b>Excl.</b>
<b>MA Builders Margin</b>				
53 Margin and overheads (10%)	Item			16,500.00
<b>Builders Margin</b>				<b>\$16,500.00</b>
<b>PF Professional Fees</b>				
56 Professional fees (8%)	Item			17,000.00
<b>Professional Fees</b>				<b>\$17,000.00</b>
<b>CO Contingency</b>				
54 Design contingency (10%)	Item			18,000.00
55 Construction contingency (5%)	Item			10,000.00
<b>Contingency</b>				<b>\$28,000.00</b>

# WINGECARRIBEE RECREATIONAL WALKING TRACKS

## Order of Cost Estimate

Location Element Item

**E BERRIMA WEIR RESERVE (continued)**

Rates Current At July 2020

Description		Unit	Qty	Rate	Total
<b>NA Not Allocated to Element</b>					
57	Statutory fees and charges (0.5%)	Item			1,000.00
	<i>Not Allocated to Element</i>				<b>\$1,000.00</b>
	<b>BERRIMA WEIR RESERVE</b>				<b>\$227,550.00</b>



# WINGECARRIBEE RECREATIONAL WALKING TRACKS

## Order of Cost Estimate

Location Element Item

F MOUNT GIBRALTAR RESERVE

Rates Current At July 2020

Description	Unit	Qty	Rate	Total
<b>PR Preliminaries</b>				
52 Preliminaries and supervision (10%)	Item			83,500.00
<b>Preliminaries</b>				<b>\$83,500.00</b>
<b>FT Fitments</b>				
1 Picnic table including concrete slab	No	7	6,500.00	45,500.00
3 Trail head sign custom sign - steel frame with aluminium attached, 841 x 1189mm	No	3	1,500.00	4,500.00
4 Waymarkers on posts including footing	No	25	550.00	13,750.00
7 Interpretative sign steel frame with aluminium attached 594mm x 841mm	No	6	650.00	3,900.00
16 Safety sign 450mm x 600mm	No	8	650.00	5,200.00
18 Timber bench seat in trachyte shelters	No	4	1,900.00	7,600.00
<b>Fitments</b>				<b>\$80,450.00</b>
<b>BW Builders Work In Connection with Specialist Services</b>				
58 Builders work in connection with services	Item			24,500.00
<b>Builders Work In Connection with Specialist Services</b>				<b>\$24,500.00</b>
<b>XP Site Preparation</b>				
51 Allowance to clear existing topsoil and dispose on site	m²	2,760	5.00	13,800.00
<b>Site Preparation</b>				<b>\$13,800.00</b>
<b>XR Roads, Footpaths and Paved Areas</b>				
2 100mm thick Crushed gravel paving including boxing out, basecourse etc	m²	360	38.00	13,680.00
13 50mm Thick asphalt pavement including boxing out, basecourse etc. - assumed 5m wide	m²	2,000	85.00	170,000.00
14 Crushed gravel car packing paving including boxing out, basecourse etc. - Assumed 100mm thick	m²	400	38.00	15,200.00
38 New disability parking space including bollard and lining marking	No	1	2,500.00	2,500.00
<b>Roads, Footpaths and Paved Areas</b>				<b>\$201,380.00</b>
<b>XB Outbuildings and Covered Ways</b>				
36 Allowance to upgrade existing public amenities to heritage building consisting of new floor tiling and screed, paint finishes to walls, ceiling finish, amenities, ventilation and lighting - note: \$160,000 budgeted in Capex Funding List for 'Upgrade Public Amenities and Recreational Track' 2024/25	No	2	100,000.00	200,000.00
61 Allowance to for new disability toilet matching existing heritage buildings. Connecting into existing site services consisting of a new envelope, slab, floor tiling and screed, wall tiles, ceiling finish, amenities, ventilation and lighting	Item			90,000.00
37 Allowance to restore derelict inner bowl amenities building for heritage value only not for use	No	2	110,000.00	220,000.00
<b>Outbuildings and Covered Ways</b>				<b>\$510,000.00</b>

# WINGECARRIBEE RECREATIONAL WALKING TRACKS

## Order of Cost Estimate

Location Element Item

F MOUNT GIBRALTAR RESERVE (continued)

Rates Current At July 2020

Description	Unit	Qty	Rate	Total
<b>XK External Stormwater Drainage</b>				
60 No allowance for stormwater to general pavement types	Item			Excl.
<b>External Stormwater Drainage</b>				<b>Excl.</b>
<b>XE External Electric Light and Power</b>				
50 No allowance for new power supply to toilets	Item			Excl.
<b>External Electric Light and Power</b>				<b>Excl.</b>
<b>XX Alterations and Renovations to Existing External Works</b>				
40 Demolition of existing trail head sign including removal of debris off site	No	9	300.00	2,700.00
41 Demolition of existing waymarkers including removal of debris off site - assumed 30% of new required	No	8	80.00	640.00
42 Demolition of existing bench seating including removal of debris off site	No	4	200.00	800.00
43 Demolition of existing picnic table including removal of debris off site	No	7	250.00	1,750.00
<b>Alterations and Renovations to Existing External Works</b>				<b>\$5,890.00</b>
<b>MA Builders Margin</b>				
53 Margin and overheads (10%)	Item			92,000.00
<b>Builders Margin</b>				<b>\$92,000.00</b>
<b>PF Professional Fees</b>				
56 Professional fees (8%)	Item			93,500.00
<b>Professional Fees</b>				<b>\$93,500.00</b>
<b>CO Contingency</b>				
54 Design contingency (10%)	Item			101,000.00
55 Construction contingency (5%)	Item			55,500.00
<b>Contingency</b>				<b>\$156,500.00</b>
<b>NA Not Allocated to Element</b>				
57 Statutory fees and charges (0.5%)	Item			6,500.00
<b>Not Allocated to Element</b>				<b>\$6,500.00</b>
<b>MOUNT GIBRALTAR RESERVE</b>				<b>\$1,268,020.00</b>



# WINGECARRIBEE RECREATIONAL WALKING TRACKS

## Order of Cost Estimate

Location Element Item

**G GIBBERGUNYAH RESERVE**

Rates Current At July 2020

Description	Unit	Qty	Rate	Total
<b>PR Preliminaries</b>				
52 Preliminaries and supervision (10%)	Item			13,500.00
<b>Preliminaries</b>				<b>\$13,500.00</b>
<b>FT Fitments</b>				
1 Picnic table including concrete slab	No	2	6,500.00	13,000.00
3 Trail head sign custom sign - steel frame with aluminium attached, 841 x 1189mm	No	2	1,500.00	3,000.00
4 Waymarkers on posts including footing	No	30	550.00	16,500.00
7 Interpretative sign steel frame with aluminium attached 594mm x 841mm	No	6	650.00	3,900.00
16 Safety sign 450mm x 600mm	No	2	650.00	1,300.00
17 Bench seat	No	5	1,800.00	9,000.00
<b>Fitments</b>				<b>\$46,700.00</b>
<b>XP Site Preparation</b>				
51 Allowance to clear existing topsoil and dispose on site	m <sup>2</sup>	1,000	5.00	5,000.00
<b>Site Preparation</b>				<b>\$5,000.00</b>
<b>XR Roads, Footpaths and Paved Areas</b>				
2 100mm thick Crushed gravel paving including boxing out, basecourse etc	m <sup>2</sup>	600	38.00	22,800.00
14 Crushed gravel car packing paving including boxing out, basecourse etc. - Assumed 100mm thick	m <sup>2</sup>	400	38.00	15,200.00
<b>Roads, Footpaths and Paved Areas</b>				<b>\$38,000.00</b>
<b>XN Boundary Walls, Fencing and Gates</b>				
28 Lookout fencing/barrier fence - assumed 1500mm high black powdercoated metal fence (8H)	m	20	1,500.00	30,000.00
29 Entrance gate / pedestrian turnstile	No	1	2,200.00	2,200.00
46 Wood post and rail fence	m	10	195.00	1,950.00
<b>Boundary Walls, Fencing and Gates</b>				<b>\$34,150.00</b>
<b>XK External Stormwater Drainage</b>				
60 No allowance for stormwater to general pavement types	Item			Excl.
<b>External Stormwater Drainage</b>				<b>Excl.</b>
<b>XX Alterations and Renovations to Existing External Works</b>				
40 Demolition of existing trail head sign including removal of debris off site	No	8	300.00	2,400.00
41 Demolition of existing waymarkers including removal of debris off site - assumed 30% of new required	No	9	80.00	720.00
42 Demolition of existing bench seating including removal of debris off site	No	5	200.00	1,000.00
43 Demolition of existing picnic table including removal of debris off site	No	2	250.00	500.00
44 Demolition of existing lookout fencing including removal of debris off site	m	20	250.00	5,000.00

# WINGECARRIBEE RECREATIONAL WALKING TRACKS

## Order of Cost Estimate

Location Element Item

**G GIBBERGUNYAH RESERVE (continued)**

Rates Current At July 2020

Description	Unit	Qty	Rate	Total
45 Demolition of existing pedestrian gate, wood post and rail fence and step over ladder including removal of debris off site	No	1	2,000.00	2,000.00
<b>Alterations and Renovations to Existing External Works</b>				<b>\$11,620.00</b>
<b>MA Builders Margin</b>				
53 Margin and overheads (10%)	Item			15,000.00
<b>Builders Margin</b>				<b>\$15,000.00</b>
<b>PF Professional Fees</b>				
56 Professional fees (8%)	Item			15,000.00
<b>Professional Fees</b>				<b>\$15,000.00</b>
<b>CO Contingency</b>				
54 Design contingency (10%)	Item			16,500.00
55 Construction contingency (5%)	Item			9,000.00
<b>Contingency</b>				<b>\$25,500.00</b>
<b>NA Not Allocated to Element</b>				
57 Statutory fees and charges (0.5%)	Item			1,000.00
<b>Not Allocated to Element</b>				<b>\$1,000.00</b>
<b>GIBBERGUNYAH RESERVE</b>				<b>\$205,470.00</b>



# WINGECARRIBEE RECREATIONAL WALKING TRACKS

## Order of Cost Estimate

Location Element Item

H MT ALEXANDRA (BOX VALE TRAILHEAD)

Rates Current At July 2020

Description	Unit	Qty	Rate	Total
<b>PR Preliminaries</b>				
52 Preliminaries and supervision (10%)	Item			50,000.00
<b>Preliminaries</b>				<b>\$50,000.00</b>
<b>FT Fitments</b>				
1 Picnic table including concrete slab	No	7	6,500.00	45,500.00
4 Waymarkers on posts including footing	No	15	550.00	8,250.00
7 Interpretative sign steel frame with aluminium attached 594mm x 841mm	No	7	650.00	4,550.00
10 Trail head sign including wooden shelter with metal roof sheeting (custom sign - steel frame with aluminium attached, 841mm x 1189mm)	No	1	4,000.00	4,000.00
16 Safety sign 450mm x 600mm	No	10	650.00	6,500.00
19 Replace current waymaker plaques with new, including the removal of existing plaques	No	65	200.00	13,000.00
20 Directional road sign	No	2	650.00	1,300.00
30 Allowance for metal ladder - assumed to be 3.5m-4.5m high	No	1	8,500.00	8,500.00
31 Allowance for metal staircase including two 10 step flights and one landing	Item			55,000.00
32 Allowance to repair existing pedestrian bridge handrails	Item			15,000.00
<b>Fitments</b>				<b>\$161,600.00</b>
<b>BW Builders Work In Connection with Specialist Services</b>				
58 Builders work in connection with services	Item			14,500.00
<b>Builders Work In Connection with Specialist Services</b>				<b>\$14,500.00</b>
<b>XP Site Preparation</b>				
51 Allowance to clear existing topsoil and dispose on site	m <sup>2</sup>	930	5.00	4,650.00
<b>Site Preparation</b>				<b>\$4,650.00</b>
<b>XR Roads, Footpaths and Paved Areas</b>				
13 50mm Thick asphalt pavement including boxing out, basecourse etc. - assumed 5m wide	m <sup>2</sup>	750	85.00	63,750.00
14 Crushed gravel car packing paving including boxing out, basecourse etc. - Assumed 100mm thick	m <sup>2</sup>	180	38.00	6,840.00
<b>Roads, Footpaths and Paved Areas</b>				<b>\$70,590.00</b>
<b>XN Boundary Walls, Fencing and Gates</b>				
28 Lookout fencing/barrier fence - assumed 1500mm high black powdercoated metal fence (8H)	m	20	1,500.00	30,000.00
<b>Boundary Walls, Fencing and Gates</b>				<b>\$30,000.00</b>
<b>XB Outbuildings and Covered Ways</b>				
34 Allowance for new amenities building	Item			195,000.00
<b>Outbuildings and Covered Ways</b>				<b>\$195,000.00</b>
<b>XK External Stormwater Drainage</b>				
60 No allowance for stormwater to general pavement types	Item			Excl.
<b>External Stormwater Drainage</b>				<b>Excl.</b>

# WINGECARRIBEE RECREATIONAL WALKING TRACKS

## Order of Cost Estimate

Location Element Item

H MT ALEXANDRA (BOX VALE TRAILHEAD) (continued)

Rates Current At July 2020

Description	Unit	Qty	Rate	Total
<b>XX Alterations and Renovations to Existing External Works</b>				
40 Demolition of existing trail head sign including removal of debris off site	No	8	300.00	2,400.00
41 Demolition of existing waymarkers including removal of debris off site - assumed 30% of new required	No	5	80.00	400.00
43 Demolition of existing picnic table including removal of debris off site	No	7	250.00	1,750.00
44 Demolition of existing lookout fencing including removal of debris off site	m	20	250.00	5,000.00
47 Demolition of existing metal ladder including removal of debris off site	No	1	1,800.00	1,800.00
48 Demolition of existing metal staircase including removal of debris off site	No	1	10,000.00	10,000.00
<b>Alterations and Renovations to Existing External Works</b>				<b>\$21,350.00</b>
<b>MA Builders Margin</b>				
53 Margin and overheads (10%)	Item			55,000.00
<b>Builders Margin</b>				<b>\$55,000.00</b>
<b>PF Professional Fees</b>				
56 Professional fees (8%)	Item			55,500.00
<b>Professional Fees</b>				<b>\$55,500.00</b>
<b>CO Contingency</b>				
54 Design contingency (10%)	Item			60,500.00
55 Construction contingency (5%)	Item			33,000.00
<b>Contingency</b>				<b>\$93,500.00</b>
<b>NA Not Allocated to Element</b>				
57 Statutory fees and charges (0.5%)	Item			4,000.00
<b>Not Allocated to Element</b>				<b>\$4,000.00</b>
<b>MT ALEXANDRA (BOX VALE TRAILHEAD)</b>				<b>\$755,690.00</b>



# WINGECARRIBEE RECREATIONAL WALKING TRACKS

## Order of Cost Estimate

Location Element Item

I MT ALEXANDRA (LAKE ALEXANDRA TRAILHEAD)

Rates Current At July 2020

Description	Unit	Qty	Rate	Total
<b>PR Preliminaries</b>				
52 Preliminaries and supervision (10%)	Item			19,500.00
<b>Preliminaries</b>				<b>\$19,500.00</b>
<b>FT Fitments</b>				
1 Picnic table including concrete slab	No	2	6,500.00	13,000.00
3 Trail head sign custom sign - steel frame with aluminium attached, 841 x 1189mm	No	1	1,500.00	1,500.00
4 Waymarkers on posts including footing	No	30	550.00	16,500.00
7 Interpretative sign steel frame with aluminium attached 594mm x 841mm	No	3	650.00	1,950.00
10 Trail head sign including wooden shelter with metal roof sheeting (custom sign - steel frame with aluminium attached, 841mm x 1189mm)	No	1	4,000.00	4,000.00
16 Safety sign 450mm x 600mm	No	10	650.00	6,500.00
<b>Fitments</b>				<b>\$43,450.00</b>
<b>XP Site Preparation</b>				
51 Allowance to clear existing topsoil and dispose on site	m <sup>2</sup>	200	5.00	1,000.00
<b>Site Preparation</b>				<b>\$1,000.00</b>
<b>XR Roads, Footpaths and Paved Areas</b>				
14 Crushed gravel car packing paving including boxing out, basecourse etc. - Assumed 100mm thick	m <sup>2</sup>	200	38.00	7,600.00
26 Wooden boxed out steps including wooden frame, drainage, compacted fill material, etc...	No	10	1,000.00	10,000.00
27 Allowance to repair existing wooden boxed out steps including drainage, compacted fill material, etc...	Item			45,000.00
33 Trail development to natural ground including stripping of dense vegetation and removal from site	m	50	55.00	2,750.00
35 Pedestrian boardwalk bridge to Gibberguyah creek- assumed 15m long and light weight construction (not a suspension bridge)	Item			65,000.00
<b>Roads, Footpaths and Paved Areas</b>				<b>\$130,350.00</b>
<b>XN Boundary Walls, Fencing and Gates</b>				
28 Lookout fencing/barrier fence - assumed 1500mm high black powdercoated metal fence (8H)	m	10	1,500.00	15,000.00
<b>Boundary Walls, Fencing and Gates</b>				<b>\$15,000.00</b>
<b>XK External Stormwater Drainage</b>				
60 No allowance for stormwater to general pavement types	Item			Excl.
<b>External Stormwater Drainage</b>				<b>Excl.</b>
<b>XX Alterations and Renovations to Existing External Works</b>				
44 Demolition of existing lookout fencing including removal of debris off site	m	10	250.00	2,500.00
49 Demolition of existing wooden box steps including removal of debris off site	No	10	80.00	800.00

# WINGECARRIBEE RECREATIONAL WALKING TRACKS

## Order of Cost Estimate

Location Element Item

I MT ALEXANDRA (LAKE ALEXANDRA TRAILHEAD) (continued)

Rates Current At July 2020

Description	Unit	Qty	Rate	Total
59 Demolition of existing concrete creek crossover including removal of debris off site	No	1	3,500.00	3,500.00
<b>Alterations and Renovations to Existing External Works</b>				<b>\$6,800.00</b>
<b>MA Builders Margin</b>				
53 Margin and overheads (10%)	Item			21,500.00
<b>Builders Margin</b>				<b>\$21,500.00</b>
<b>PF Professional Fees</b>				
56 Professional fees (8%)	Item			22,000.00
<b>Professional Fees</b>				<b>\$22,000.00</b>
<b>CO Contingency</b>				
54 Design contingency (10%)	Item			24,000.00
55 Construction contingency (5%)	Item			13,000.00
<b>Contingency</b>				<b>\$37,000.00</b>
<b>NA Not Allocated to Element</b>				
57 Statutory fees and charges (0.5%)	Item			1,500.00
<b>Not Allocated to Element</b>				<b>\$1,500.00</b>
<b>MT ALEXANDRA (LAKE ALEXANDRA TRAILHEAD)</b>				<b>\$298,100.00</b>



# WINGECARRIBEE RECREATIONAL WALKING TRACKS

## Order of Cost Estimate

Location Element Item

J WELBY WEIR

Rates Current At July 2020

Description	Unit	Qty	Rate	Total
<b>PR Preliminaries</b>				
52 Preliminaries and supervision (10%)	Item			2,500.00
<b>Preliminaries</b>				<b>\$2,500.00</b>
<b>FT Fitments</b>				
1 Picnic table including concrete slab	No	1	6,500.00	6,500.00
4 Waymarkers on posts including footing	No	6	550.00	3,300.00
16 Safety sign 450mm x 600mm	No	2	650.00	1,300.00
<b>Fitments</b>				<b>\$11,100.00</b>
<b>XP Site Preparation</b>				
51 Allowance to clear existing topsoil and dispose on site	m <sup>2</sup>	340	5.00	1,700.00
<b>Site Preparation</b>				<b>\$1,700.00</b>
<b>XR Roads, Footpaths and Paved Areas</b>				
2 100mm thick Crushed gravel paving including boxing out, basecourse etc	m <sup>2</sup>	240	38.00	9,120.00
14 Crushed gravel car packing paving including boxing out, basecourse etc. - Assumed 100mm thick	m <sup>2</sup>	100	38.00	3,800.00
<b>Roads, Footpaths and Paved Areas</b>				<b>\$12,920.00</b>
<b>XK External Stormwater Drainage</b>				
60 No allowance for stormwater to general pavement types	Item			Excl.
<b>External Stormwater Drainage</b>				<b>Excl.</b>
<b>MA Builders Margin</b>				
53 Margin and overheads (10%)	Item			3,000.00
<b>Builders Margin</b>				<b>\$3,000.00</b>
<b>PF Professional Fees</b>				
56 Professional fees (8%)	Item			3,000.00
<b>Professional Fees</b>				<b>\$3,000.00</b>
<b>CO Contingency</b>				
54 Design contingency (10%)	Item			3,000.00
55 Construction contingency (5%)	Item			1,500.00
<b>Contingency</b>				<b>\$4,500.00</b>
<b>NA Not Allocated to Element</b>				
57 Statutory fees and charges (0.5%)	Item			0.00
<b>Not Allocated to Element</b>				<b>\$0.00</b>
<b>WELBY WEIR</b>				<b>\$38,720.00</b>

# WINGECARRIBEE RECREATIONAL WALKING TRACKS

## Order of Cost Estimate

Location Element Item

K BONG BONG COMMON - CECIL HOSKINS NATURE RESERVE

Rates Current At July 2020

Description	Unit	Qty	Rate	Total
<b>PR Preliminaries</b>				
52 Preliminaries and supervision (10%)	Item			500.00
<b>Preliminaries</b>				<b>\$500.00</b>
<b>FT Fitments</b>				
3 Trail head sign custom sign - steel frame with aluminium attached, 841 x 1189mm	No	1	1,500.00	1,500.00
17 Bench seat	No	1	1,800.00	1,800.00
<b>Fitments</b>				<b>\$3,300.00</b>
<b>XK External Stormwater Drainage</b>				
60 No allowance for stormwater to general pavement types	Item			Excl.
<b>External Stormwater Drainage</b>				<b>Excl.</b>
<b>XX Alterations and Renovations to Existing External Works</b>				
40 Demolition of existing trail head sign including removal of debris off site	No	1	300.00	300.00
<b>Alterations and Renovations to Existing External Works</b>				<b>\$300.00</b>
<b>MA Builders Margin</b>				
53 Margin and overheads (10%)	Item			500.00
<b>Builders Margin</b>				<b>\$500.00</b>
<b>PF Professional Fees</b>				
56 Professional fees (8%)	Item			500.00
<b>Professional Fees</b>				<b>\$500.00</b>
<b>CO Contingency</b>				
54 Design contingency (10%)	Item			500.00
55 Construction contingency (5%)	Item			500.00
<b>Contingency</b>				<b>\$1,000.00</b>
<b>NA Not Allocated to Element</b>				
57 Statutory fees and charges (0.5%)	Item			0.00
<b>Not Allocated to Element</b>				<b>\$0.00</b>
<b>BONG BONG COMMON - CECIL HOSKINS NATURE RESERVE</b>				<b>\$6,100.00</b>



# WINGECARRIBEE RECREATIONAL WALKING TRACKS

## Order of Cost Estimate

Location Element Item

L GLOW WORM GLEN - WILLIAM STREET RESERVE

Rates Current At July 2020

Description	Unit	Qty	Rate	Total
<b>PR Preliminaries</b>				
52 Preliminaries and supervision (10%)	Item			6,500.00
<b>Preliminaries</b>				<b>\$6,500.00</b>
<b>FT Fitments</b>				
3 Trail head sign custom sign - steel frame with aluminium attached, 841 x 1189mm	No	1	1,500.00	1,500.00
4 Waymarkers on posts including footing	No	4	550.00	2,200.00
7 Interpretative sign steel frame with aluminium attached 594mm x 841mm	No	1	650.00	650.00
<b>Fitments</b>				<b>\$4,350.00</b>
<b>XP Site Preparation</b>				
51 Allowance to clear existing topsoil and dispose on site	m <sup>2</sup>	480	5.00	2,400.00
<b>Site Preparation</b>				<b>\$2,400.00</b>
<b>XR Roads, Footpaths and Paved Areas</b>				
2 100mm thick Crushed gravel paving including boxing out, basecourse etc	m <sup>2</sup>	480	38.00	18,240.00
25 Allowance for basic wooden plank bridges excluding handrail over small gullies - assumed 6m - 8m	No	3	10,000.00	30,000.00
26 Wooden boxed out steps including wooden frame, drainage, compacted fill material, etc...	No	12	1,000.00	12,000.00
<b>Roads, Footpaths and Paved Areas</b>				<b>\$60,240.00</b>
<b>XK External Stormwater Drainage</b>				
60 No allowance for stormwater to general pavement types	Item			Excl.
<b>External Stormwater Drainage</b>				<b>Excl.</b>
<b>XX Alterations and Renovations to Existing External Works</b>				
40 Demolition of existing trail head sign including removal of debris off site	No	1	300.00	300.00
41 Demolition of existing waymarkers including removal of debris off site - assumed 30% of new required	No	2	80.00	160.00
<b>Alterations and Renovations to Existing External Works</b>				<b>\$460.00</b>
<b>MA Builders Margin</b>				
53 Margin and overheads (10%)	Item			7,500.00
<b>Builders Margin</b>				<b>\$7,500.00</b>
<b>PF Professional Fees</b>				
56 Professional fees (8%)	Item			7,500.00
<b>Professional Fees</b>				<b>\$7,500.00</b>
<b>CO Contingency</b>				
54 Design contingency (10%)	Item			8,000.00
55 Construction contingency (5%)	Item			4,500.00
<b>Contingency</b>				<b>\$12,500.00</b>





# WINGECARRIBEE RECREATIONAL WALKING TRACKS

## Order of Cost Estimate

Location Element Item

**M GOVERNORS ROAD**

Rates Current At July 2020

Description	Unit	Qty	Rate	Total
<b>PR Preliminaries</b>				
52 Preliminaries and supervision (10%)	Item			45,000.00
<b>Preliminaries</b>				<b>\$45,000.00</b>
<b>FT Fitments</b>				
3 Trail head sign custom sign - steel frame with aluminium attached, 841 x 1189mm	No	1	1,500.00	1,500.00
4 Waymarkers on posts including footing	No	4	550.00	2,200.00
7 Interpretative sign steel frame with aluminium attached 594mm x 841mm	No	2	650.00	1,300.00
<b>Fitments</b>				<b>\$5,000.00</b>
<b>XR Roads, Footpaths and Paved Areas</b>				
21 Trail development to natural ground - assumed up to 1m wide	m	450	35.00	15,750.00
23 Wooden boardwalk trail development - assumed on grade up to 1m wide	m	450	950.00	427,500.00
<b>Roads, Footpaths and Paved Areas</b>				<b>\$443,250.00</b>
<b>XK External Stormwater Drainage</b>				
60 No allowance for stormwater to general pavement types	Item			Excl.
<b>External Stormwater Drainage</b>				<b>Excl.</b>
<b>MA Builders Margin</b>				
53 Margin and overheads (10%)	Item			49,500.00
<b>Builders Margin</b>				<b>\$49,500.00</b>
<b>PF Professional Fees</b>				
56 Professional fees (8%)	Item			50,000.00
<b>Professional Fees</b>				<b>\$50,000.00</b>
<b>CO Contingency</b>				
54 Design contingency (10%)	Item			54,500.00
55 Construction contingency (5%)	Item			30,000.00
<b>Contingency</b>				<b>\$84,500.00</b>
<b>NA Not Allocated to Element</b>				
57 Statutory fees and charges (0.5%)	Item			3,500.00
<b>Not Allocated to Element</b>				<b>\$3,500.00</b>
<b>GOVERNORS ROAD</b>				<b>\$680,750.00</b>

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