CITY OF MOUNT GAMBIER









Status	Changes	Author	Reviewer	Date
Draft V1	Footing details	K Gardner	E Solly	Sept 2023
Final	Council feedback	K Gardner	E Solly	Nov 2023

This report was prepared by Open Trails Australia Pty Ltd for the City of Mount Gambier in relation to the Crater Lakes Trails network.

Disclaimer

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Acknowledgement

We acknowledge the Indigenous peoples of the lands, waters and communities we work together with. We pay our respect to their cultures; and to their Elders – past, present and emerging.

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Introduction

The Crater Lakes Park Trails Sign Plan is an integral component of the larger Crater Lakes Trail planning initiative. The requirement for an updated and compliant signage system emerged as a top-priority recommendation following the Crater Lakes Trails Audit in February 2023. This audit pinpointed insufficient or inadequate signage as the primary factor contributing to conflicts among trail users, potential hazards to their safety, and a heightened exposure of the City of Mount Gambier to public liability risks.

Through the strategic planning and execution of an upgraded, compliant, and modernised trail signage system, we aim to significantly elevate the visitor opportunities and experiences within Crater Lakes.

The sign planning process

The proceeding sign plan is the first step of a staged planning process.

The intention is to discuss sign content and to seek approval to commence the design process.

The Crater Lakes Park Trails Sign Plan is the preliminary planning document to inform the sign design process and final sign plan document.

It is informed by the previously completed Crater Lakes Trails Audit Report. Much of the justification and background can be found in that report.

The intention of this sign plan is to confirm:

- General content of trailhead and feature sign panels
- Size of sign panels and structures
- Materials for signs and sign structures
- Location of trailhead signs
- Size, type, colour and location of trail marker signs
- Potential content for web page
- Cost estimates for the design, fabrication and installation

Detailed examples and mock ups will be the <u>next step of the process</u> after agreement on some of the underpinning elements (text, colour) have been discussed and approved.

There are unknown and incomplete parts of this draft that will be populated during the process based on feedback from City of Mount Gambier.

The current sign system

Trail signage plays a crucial role in managing trails effectively and providing valuable information to trail users. With the changes in Australian Standards 2156.1 and the evolving needs of users, it is important to update the signage to ensure it meets the current requirements and effectively communicates with a broader range of trail users.

The introduction of shared-use and Mountain Bike only trails brings additional complexities, as signage needs to inform users about specific rules or classifications for each user type. However, if the signage is lacking in the required information or poorly positioned, it can lead to user confusion and instances of conflict. This highlights the need for proper signage design, placement, and content to effectively guide users and minimise risks.

Signage serves as a critical communication tool for trail users, helping them make informed decisions about which trails are suitable for their needs. By accurately grading or classifying trails and promoting these classifications through well-placed, clear, and concise signage, land managers can provide users with essential information while also managing public liability risks.

It's important to note that while signage is a crucial aspect of trail management, it is not a complete solution by itself. Regular trail audits and maintenance are still necessary to ensure that trails meet their assigned classifications and are safe for users. Signage should be seen as part of a comprehensive approach to trail management, working in conjunction with other measures such as trail inspections, maintenance, and user education.

Given the significant changes in standards and user needs over the years, it is necessary to assess and update the trail signage to align with current requirements.

City of Mount Gambier - Brand Guidelines

The City of Mount Gambier supplied the Brand Guidelines from 2015 to assist in the future design process. Although the sign design is not part of this brief, OTA believes it is important to consider potential colors and contrasts at this stage of the process. OTA has supplied 2 x colour mockups based on the permitted colours. We believe that the trail network signage should have a point of difference from the rest of the crater Lakes signage.

Please see the Crater Lakes trailhead sign colour mock-ups at the end of the document. Note the mock ups are to demonstrate background colours only, the text, maps, images are unrelated.

Cost estimates

The cost estimates are based on designing, fabricating, and installing the sign system in accordance with the plan. The costings are accurate in relation to similar works carried out by OTA in the past 2 years, with local South Australian companies providing the timber, frames and sign packages.

The total costs as anticipated is \$90,950 ex GST. This is based on a double 1200x900mm trailhead sign at the 10 identified locations.

ITEM NO.	DESCRIPTION	QTY	RATE	AMOUNT	TOTAL/s
1	SIGN PLANNING & DESIGN				
1.1	Basic Sign Plan. (content, consultation, detail)	1	0	0	
1.2	Crater Lakes Trails - Design development	1	1200	1200	
1.3	Sign layout, design, images, print files	1	7000	7000	
	Item total estimate				\$8,200
2	SIGN PRINTING & FABRICATION				
2.1	Trailhead information sign panels (Dibond panel)	20	400	8000	
2.2	Trailhead information sign frames (Powder Coat alloy)	20	415	8300	
2.3	Trailhead information sign posts (timber) 2.4m	30	100	3000	
2.4	Feature Sign panels (Dibond panel)	4	350	1400	
2.5	Feature Sign frames (Powder Coat alloy)	4	450	1800	
2.6	Feature Sign posts (timber) 1.8m	8	65	520	
2.7	Directional Trail Marker sticker package	350	1	350	
2.8	Directional Trail Marker sign panels (Dibond panel)	75	20	1500	
2.9	Directional Trail Marker posts (timber) 1.8m	40	65	2600	
2.1	Totem sign panels (Dibond panel)	175	110	19250	
2.11	Totem posts (timber) 200mm wide 1.8m	64	75	4800	
	Item total estimate				\$51,520
3	SIGN INSTALLATION				
3.1	Preliminaries, fixings, materials, mobilisation, accom. etc.	1	2650	2650	
3.2	Trailhead information sign 3 x posts 2x panels	10	510	5100	
3.3	Feature sign 2 x post 1 x panel	4	400	1600	
3.4	Trail Marker and Totem Installation	104	170	17680	
3.5	Directional Trail Marker Modify Existing	0	35	0	
3.6	Demolition of and disposal of existing signs	1	2400	2400	
3.7	Asset capture report -inc. spatial data and images	1	1800	1800	
	Item total estimate				\$31,230
					4 2 3 3 3
	Sign Syster	n Total C	ost Estim		\$90,950
				GST	9095
	Sign System Tota	l Cost Est	imate inc	luding GST	\$100,045

Potential saving opportunities.

Trailhead signs

The current plan allows for the double 1200x900mm trailhead sign at the 10 identified locations. If text was kept to a minimum and the size of the map was slightly decreased we could fit the required sign content on to a single 1200x900 sign face. This reduces the amount of timber posts, frames, signs and installation costs resulting in a \$10,600 saving, bringing total cost to \$80,350 ex GST.

Feature signs

The current plan allows for 4 feature signs that were intended to be at the top of the 4 x downhill mountain bike trails. The intention is to include additional safety information that would not fit on the Totem posts. If CMG just used the Totem markers with all the standard warning symbols and included the additional safety text on the trailhead sign, we could remove these from the plan. This reduces the amount of timber posts, frames, signs and installation resulting in a \$5320 saving, bringing total cost to \$75,030 ex GST. costs (assuming this is in addition to the trailhead sign savings being adopted)

Major trailhead sign

Sign size	2 x 1200 x 900 mm sign panels in portrait orientation.
	It may be possible to condense the trailhead signs into a single 1200x900 sign if text is minimised.
Sign quantity	10 Trailhead signs locations have been identified.
Sign style	Posts: 100 x 100 White Cypress Pine timber. Frames: Powder coated aluminium Signs: Dibond panel with folded sides
	See examples at end of document.

Sign content

<u>Crater Lakes Park Trails</u> (sign heading)

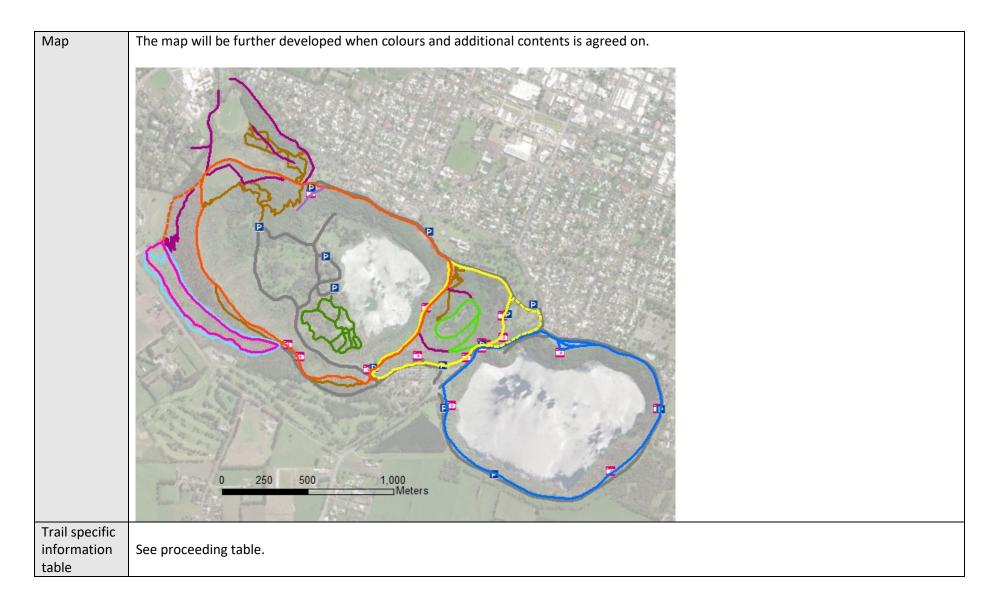
The Mount Gambier Crater Lakes area is made up of three main craters containing several lakes including Browne Lake/Kroweratwari, Valley Lake/Ketla Malpi, Leg of Mutton Lake/Yatton Loo and the world famous Blue Lake/Warwar.

The local phenomenon is the Blue Lake/Warwar. It is approximately 75 metres deep and is the only lake with the inexplicable ability to change colour, as it does from November each year, reaching an intense turquoise blue until March, when it starts to return to a dark blue.

Enjoy the Valley Lake/Ketla Malpi crater, with its conservation park, adventure playground, barbecues, picnic grounds, disc golf and shelters.

The area is serviced by a maze of roads, walking and cycling trails, all of which lead to lookouts, providing excellent viewing and photographic opportunities as well as the chance to enjoy the local flora and fauna. Select a trail that suits your interest and abilities and enjoy the amazing Crater Lakes!

The traditional custodians of this area are the Bungandit people, we acknowledge and respect their ongoing links to country.



Trail name	Trail	grade	Description	
Valley Lake Conservation Park	济 於 Grade 2		1.2km 45 mins	If you're into wildlife, this is the walk you! Once you enter the Conservation Park, you can follow the trails to explore the park and the native flora and fauna. Birdlife can be seen from the raised boardwalk and bird hides, providing a closer look at the bushland canopy and views over the park. Keep an eye out for other animals, including Koalas, Kangaroos, and Echidnas. Don't forget your camera on this walk! • Dogs are not allowed in the Conservation Park.
Blue Lake/Warwar Circuit	济 总 Grade 2	Riders give way to pedestrians	3.5km 1 hr	You can start the walk at any location around the Blue Lake/Warwar, but we recommend starting at the Visitor Centre/Pioneer Memorial. Make your way around the rim and don't forget to take the time to stop and enjoy the views of the Lake. The Centenary Tower, the Pumping Station and Mount Schank can be viewed from the Rotary Lookout. Other points of interest include the Apex Lookout, Blue Lake Lookout and Cactus Garden Lookouts. • Some narrow section. Please be considerate of other users when passing.
Leg of Mutton/Yatton Loo Loop	Grade 3	Riders give way to pedestrians	1.2km 45 mins	Start this walk at the carpark near the Adam Lindsay Gordan Lookout. Make your way down the access road and follow the loop trail around the now dry lake bed. Take your time to enjoy the deep lush green surroundings. Take your camera and capture the natural beauty of the region. • Some steep loose surfaces and exposed tree roots to negotiate.
Pepperpot Trail	Grade 3		2.4km 1 hr	The Pepperpot Trail provides breath-taking views over the Valley Lake/Ketia Malpi and Blue Lake/Warwar over a shorter distance. The walk begins at the same location as the Leg of Mutton walk. Follow the trail up to the stone 'rest house' then continue up the stairs, making your way to the Surge Tank and Hoo Hoo Lookout. Other points of interest include the Adam Lindsay Gordon Monument, Leg of Mutton Lake Lookout, Marks Lookout, and Stephen Henty Lookout. • Extended lengths of steps with alternative routes. • Some steep loose surfaces and exposed tree roots to negotiate.

Trail name	Trail grade		Distance/time	Description			
RSL Trail	Grade 4		400m return 20 mins	The RSL Trail features an historic stone hut with views of the Browne/Krowertwari Lake and Valley/Ketia Malpi Lake. History?? The trail is a long-extended set of timber steps with no handrails. This short trail may be too minor to include?			
Mountain Trail	Grade 4	Some sections are shared with bicycles	4.4km 1.5 hr	The Mountain Trail (also known as the Crater Lakes Trail) provides magnificent views over this unique landscape. It visits a range of lookouts and points of interest around the crater rim including a short optional walk to the RSL Lookout. Other points of interest include the Rotary Clubs Lookout, Marks Lookout, Lions Lookout, Devils Punch Bowl, and Centenary Tower. • Extended lengths of steps with an alternative route along Blue Gum Loop Walk. • Some steep loose surfaces and exposed tree roots to negotiate.			
Blue Gums Loop Walk	济 於 Grade 2	Some sections are shared with bicycles	2.2 km 1 hr	The Blue Gums Loop Walk is an easy walk through the Blue Gum plantation. The walk starts and ends at the Lions Lookout are at the end of Elliot Drive. The trail offers alternative views to the broader Crater Lakes trails including the Blue Lake Golf Course and Carinya Gardner Cemetery. Walkers share the return leg along the Fire Track with cyclists.			
Blue Gums Loop Ride	Some sections are shared with walkers	₫	2.3 km	The Blue Gums Loop Ride includes a fun descent through the Blue Gums plantation. The descending trail is separated from the Walking Trail. A great alternative to the more challenging Mountain Bike Trails. Riders share the return leg along the Fire Track with walkers. Riders give way to pedestrians.			

Trail name	Trail §	grade	Distance/time	Description
Link Trails	Grade 3	INTERMEDIATE	Various	Throughout the broader Crater Lakes Trail network there are a range of linking trails that offer short-cuts and other loop options for walkers and riders. Some are shared use and others are single use. These are clearly signposted at intersections with further details provided at each location.
Mountain Bike Trails		INTERMEDIATE + DIFFICULT DIFFICULT EXTREME	Various	The Crater Lakes Park provides a range of challenging Mountain Bike (MTB) Trails to suit riders of varying skill levels. The MTB trails are popular with locals and visitors seeking fun and challenges. Each trail is different in what it provides but riders can expect jumps, berms, drops and more! Trail grades and additional information is provided at the start of each trail. Always wear a helmet and protective gear Ride within your ability and check the trail before you ride Riding involves risks and should be undertaken with care and regard for conditions at all times

Safety	Safety – it's your responsibility
message	
	Bushwalking and bike riding involves risks and should be always undertaken with care and regard for the conditions.
	Trails are subject to natural forces and vary over time. This may make trail use more challenging.
	Watch out for uneven surfaces and tripping hazards.
	Trails, paths and rocks can be slippery when wet.
	The surrounding hillsides are steep; always stay on the designated trails.
	Please take care when crossing roads.
	During the fire season, do not smoke in reserves and do not light fires at any time of year.
	When the fire danger rating is catastrophic? The Crater Lakes Precinct is closed to the public.
	Some trails are single use and others shared-use. Be aware of other users and the Trail Users Code of Practice
Be prepared	Be prepared
message	
	Wear sturdy shoes, hat, insect repellent, and sunscreen.
	Keep to defined tracks and trails.
	Carry sufficient food and drinking water.
	Inform a responsible person of your proposed route and expected time of return.
	• If you find yourself close to a snake, stand still and wait for it to move away from you, or slowly move away from the snake.
	Do not park in front of gates – these need to be accessible at all times.
Additional	Code of Practice for Trail Users
Text	
	To protect the surrounding environment and to ensure the safety of all trail users, please be aware of the International Trail Users Code of Practice when using shared trails. Important points to remember include:
	of Francisco Wile in assing strained at a first important points to remember motage.
	- Comply with all signs and trail designations.
	- Do not take short cuts or form new trails.
	- Avoid using trails in wet, muddy conditions.
	- Tread or ride lightly and leave no trace or rubbish.
	- Control your bike and walk, run or ride within your limits.
	- Respect the rights of others.

Additional Text



Why does your dog need to be on a lead?

- Protect our wildlife
 - o Dogs can kill, injure and disturb wildlife.
- Keep it fun for everyone
 - o Not all visitors like or are comfortable with dogs.
- Be a responsible dog owner
 - o Take dog waste home or put it in a bin
 - o Train your dog to walk safely and happily on a lead
- Keep your dog safe
 - o Poisons, other dogs and wildlife can cause injury or disease.

Additional

Text

Reporting Hazards/Incidents and Emergency Responses

In the event of a Serious Emergency please call 000 or 112

In the event of an emergency or serious hazard please call the City of Mount Gambier on 8721 2555

To report a trail hazard please call 8721 2555 or email city@mountgambier.sa.gov.au

Park information including events, works programs, closures and Conditions of Entry are available online via this QR Code. (A Trails page on the CMG website is required and existing inaccurate information requires updating)



Trail Grade tables

Australian walking trail grading system



Grade 1

No bushwalking experience required. Flat even surface with no steps or steep sections. Suitable for wheelchair users who have someone to assist them.

Grade 2



Suitable for families with young children. 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

Suitable for most ages and fitness levels. 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. May include includes arduous climbs and trail obstacles. Directional signage may be limited.



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 Grade tables

Australian mountain bike grading system



Easy trails

Wide trail with a gentle gradient smooth surface. Some obstacles such as roots, logs and rocks. Suitable for beginner cyclists with basic mountain bike skills, and off-road bikes.



Easy with intermediate sections

Likely to be single track with a moderate gradient, variable surface and some obstacles. Some obstacles such as roots, logs and rocks. Suitable for mountain bikers with mountain bikes.



Intermediate

Single trail with moderate gradients, variable surface and obstacles. May include steep sections. Suitable for skilled mountain bikers with mountain bikes.



Intermediate with difficult sections

For competent mountain bikers. Large, unavoidable obstacles and features. Some steep climbs or descents and loose surfaces.



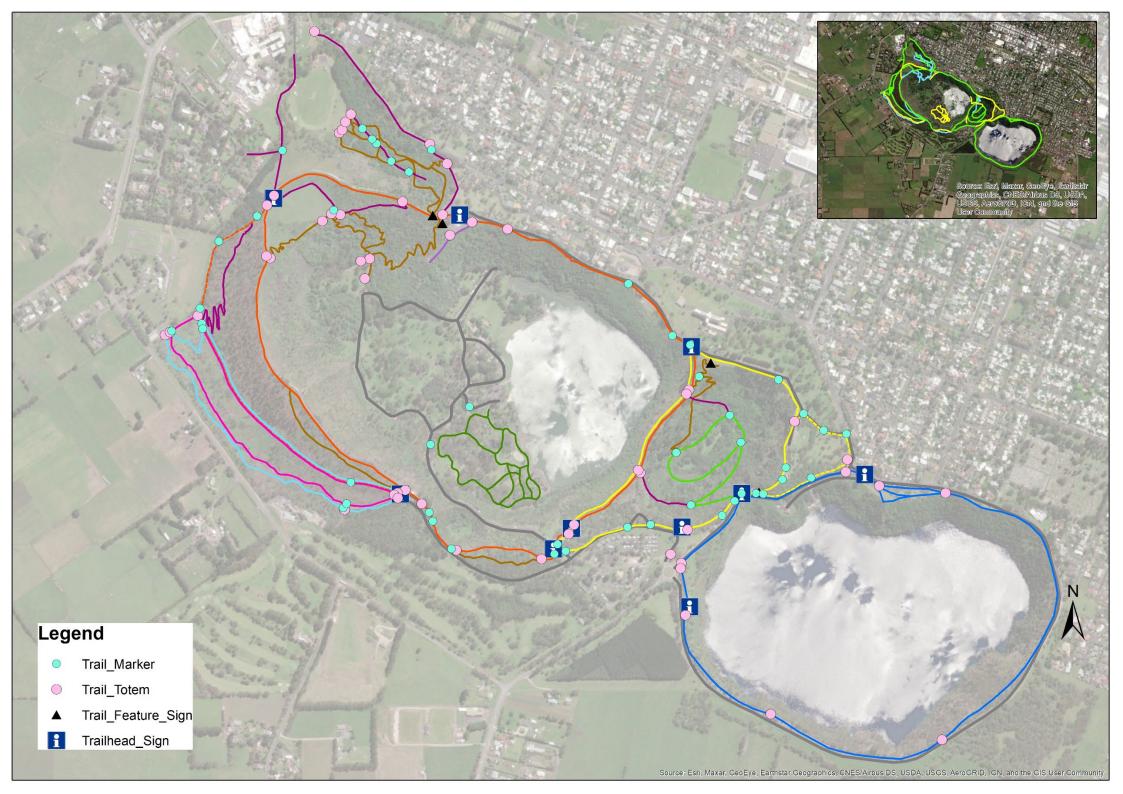
Difficult trails

Suitable for experienced mountain bikers. Expect large, dangerous and unavoidable obstacles and features. Challenging and variable with steep climbs or descents and loose surfaces.



Extreme trails

Suitable for highly experienced mountain bikers. Severe constructed trails and/ or natural features, most sections are challenging. Includes extreme levels of exposure and / or risk. Expect large and unavoidable jumps, obstacles and features.



Similar sign style examples



Willowie Forest – Mount Remarkable National Park



Deep Creek Conservation Park



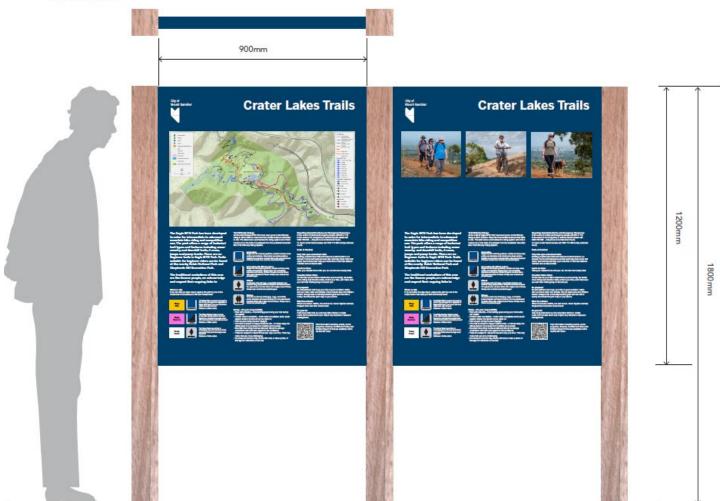


Wirrabara Forest – Southern Flinders Ranges

CRATER LAKES TRAIL - SIGN CONCEPT MOCKUP

MAJOR TRAILHEAD - TIMBER POST (100mm Square) SIGN TYPE / CODE: TH-01 SIGN FACE SIZE: 1200H x 900W x 50D

SCALE: 1-10 @A3



Pantone@2955 C Pantone@2955 U C=100 M=55 Y=10 K=48 R=0 G=60 B=105 HTML 003069

CRATER LAKES TRAIL - SIGN CONCEPT MOCKUP

MAJOR TRAILHEAD - TIMBER POST (100mm Square) SIGN TYPE / CODE : TH-01

SIGN FACE SIZE: 1200H x 900W x 50D

SCALE: 1-10 @A3



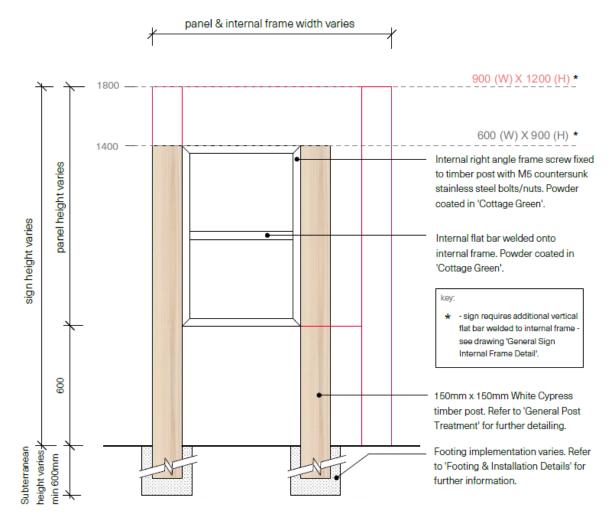
Trail marker examples



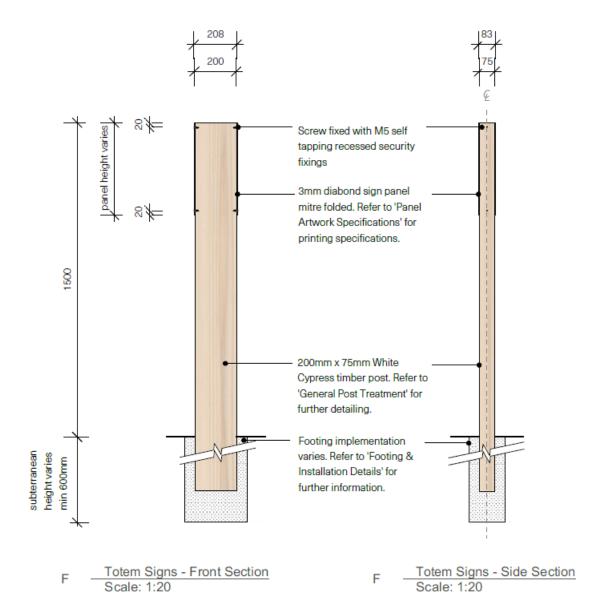
Examples of similar style/size trail markers from South Australian National Parks

Installation and footing details

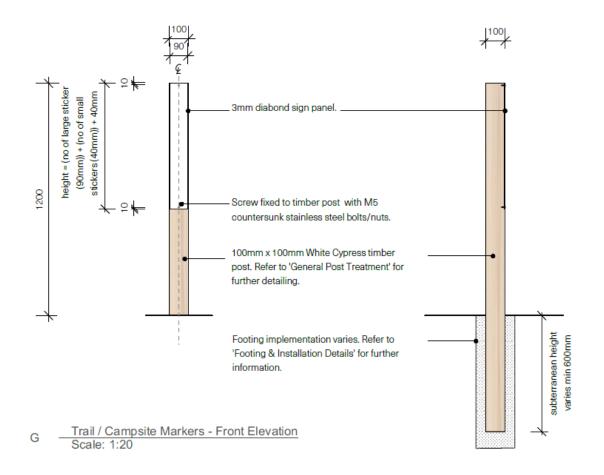
Trailhead signs



Totem style signs

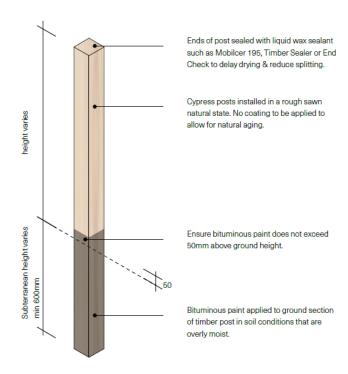


General trail marker

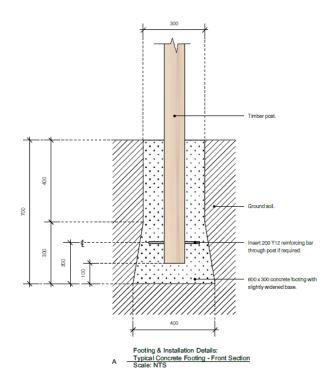


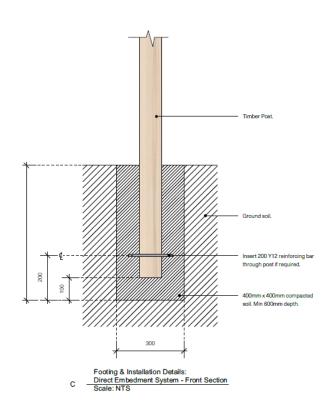
G Trail / Campsite Markers - Side Section Scale: 1:20

General post treatment and footings



A General Post Treatment - Isometric Scale: NTS





Trail marker content

Loacation	Trailhead Sign		Trail Marker		Trail t	otem		Trail tote	n split face	
		side 1	side 2	side 3	Side 1	Side 2	Left side 1	Right side 1	Left side 2	Right side 2
2					Crater Lakes Walking and Cycling Trails					10 Trailhead signs
4										30 Trail markers
					Pepper Pot Loop					
5										64 Totem Signs
6		Pepper Pot Loop	Pepper Pot Loop							4 Feature Signs
7		Pepper Pot Loop	Pepper Pot Loop							
					Leg of Mutton / Yatton Loo Loop.					
8					Riders give way to pedestrians					
11		Pepper Pot Loop	Pepper Pot Loop							
12		Pepper Pot Loop	Pepper Pot Loop							
					Pepper Pot Loop Surge Tank -Steep with steps.					

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		Pepper Pot Loop		
		easier alternative. - connects to Blue		
13		Lake / Warwar Circuit.		
17	Pepper Pot Loop Loop			
17	соор соор			
		Pepper Pot Loop.		
		\rightarrow		
		Blue Lake /		
40		Warwar Circuit.		
18		- Visitor Centre		
	Pepper Pot Pepper Pot			
19	Loop Loop			
	Pepper Pot Pepper Pot			
21	Loop Loop			
	\leftarrow			
	Pepper Pot			
22	Loop			
		个		
		Pepper Pot Loop.		
		-Surge Tank - Hoo Hoo		
		Lookout. -Stephen Henty		
23		Pepper Pot Loop. Lookout.		
26	Pepper Pot Pepper Pot Loop Loop			
		1		
	Pepper Pot Pepper Pot			
28	Loop Loop			
29	Pepper Pot Pepper Pot Loop Loop			
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		Pepper Pot Loop	Loop.			
31		Mountain Trail Loop	Pepper Pot Loop.			
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				Pepper Pot Loop.		Pepper Pot Loop
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		Leg of Mutton / Yatton Loo Loop.				
33		Link Trail. Steep access.				
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36 a		mountain bike trail.	Look out for pedestrians		N	O ENTRY
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36 b		Look out for bicycles			250	
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		Leg of Mutton / Yatton Loo Loop.				
		Link Trail.	_			
36 c		Steep access.				
		A				
		Leg of Mutton / Yatton Loo Loop.				
		Link Trail.				
		Steep access.				
36 d		(A)				
bottom of link		GUD				
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		Leg of Mutton /				
		Yatton Loo Link				
		Link Trail.				
		€				
36 e asphalt		Riders give way to				
circuit inter		pedestrians	^			
36 f		No Entry One way				
bottom of		mountain bike	Look out for			
RLD		trail.	pedestrians			
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		Pepperpot and Mountain Trail	Leg of Mutton /			
36 g bottom of		Link. Riders give way to	Yatton Loo Loop. Riders give way to			
39 Link		pedestrians	pedestrians			
		Pepper Pot Loop. Mountain Trail	Pepper Pot Loop. Mountain Trail			
		Loop.	Loop.			

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Riders give way to pedestrians pedestrians	
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45 Loop.	
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Caravan Park. Riders give way to	
46 Pepper Pot Loop. pedestrians	
Mountain Trail Mountain Trail	

	Pepper Pot Loop. Pepper Pot Loop.	
	Lookout	
48		
	Pepper Pot Pepper Pot	
	Loop.	
50	Lookout	
		No Entry One way mountain bike
58		trail.
		No Entry One way mountain bike
59		trail.
		Mountain bike trail. Please do not play on the
60		jumps.
		Blue Lake / Blue Lake / Warwar Circuit Warwar Circuit
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68		Riders give way to Riders give way to pedestrians pedestrians
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		Blue Lake / Blue Lake / Warwar Circuit Warwar Circuit
		& ★
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73		pedestrians pedestrians

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	Riders give way to	Riders give way to
83	pedestrians	pedestrians
	Blue Lake / Warwar Circuit	Blue Lake / Warwar Circuit
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	Riders give way to	Riders give way to
84	pedestrians	pedestrians
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	Warwar Circuit - Apex Lookout	
	Blue Lake /	
	Warwar Circuit - No Steps	
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	Blue Lake / Warwar Circuit	Blue Lake /
	- Apex Lookout	Warwar Circuit
	Blue Lake /	♣ ★
	Warwar Circuit - No Steps	Riders give way to pedestrians
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	Riders give way to	
86 b	pedestrians	

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		Mountain Trail Loop		
		- Centenery Tower		
		- Steep with Steps		
		Mountain Trail Mountain Trail		
		Loop Loop - Easier - Devils alternative Punchbowl		
		A A A		
88		Riders give way to Riders give way to pedestrians pedestrians		
			Mountain Trail Loop	
			Blue Gums - Easier Walk Alternative	
			\leftarrow	
			Blue Gums Ride	
89			(**)	
90				
		\rightarrow		
		Blue Gums Ride		
		INTERMEDIATE		
		(1)		
91				
		Blue Gums Walk		
92				
		\wedge		
		Plus Gume Walk		
1	.	Blue Gums Walk	I	

93		
		1
		Blue Gums Ride
		INTERMEDIATE
94		
95		No Entry One way mountain bike trail.
	Blue Gums Walk Blue Gums Blue Gums alternative	
96	Ride	
		Mountain Trail Mountain Trail Loop
		Loop - Devils Punchbowl
		泰 於
97		Riders give way to pedestrians pedestrians
		Mountain Trail Loop Loop
		添 太
100		Riders give way to pedestrians pedestrians
	Λ	
	Mountain Trail Loop Loop	
	泰太	
	Riders give Riders give way to	
101	to pedestrians pedestrians	
	Mountain Trail Loop Loop	

102	Riders give way to pedestrians		
			Mountain Trail Tower Up Loop
			INTERMEDIATE
103			
			Mountain Trail
			Loop Tower Up
104			
105			
		No Entry One way	
		mountain bike trail. Blue Gums Ride	
		為 🏃	
106		Riders give way to pedestrians	
		$\uparrow \uparrow \uparrow$	
		Blue Gums Walk	
107			
	Blue Gums Ride		
108	Riders give way to pedestrians		
	Blue Gums Ride Blue Gums Ride		

400	Riders give way to pedestrians		
109	to pedestrians pedestrians	→	
		Blue Gums Walk Blue Gums Ride	
		Mountain Trail Loop	
110		Riders give way to pedestrians	
	Mountain Trail Loop Loop		
111	Riders give way to pedestrians		
	JJs Trail		
112	INTERMEDIATE 7		
	Mountain Trail Loop		
113	Riders give Riders give way to pedestrians pedestrians		
		Wheel Nuts DH Trail	

114		CAUTION CAUTION MANDATORY DROP J J J GAP JUMP	These trails are suitat This trail features very 15 e-lines. This trail has and powerful brakes, it has not inserted brakes and powerful brakes, it have not inserted brakes and powerful brakes. Always wear a hindred. Filde within your ability excluding moviber sinks a coorditions at all times. Cratter Lakes I	I Nuts DH Trail let for advanced riders only. large jumps and drops with unavoidable gaps and ro been deligned for downthil blass with his suspension consultance by large particles with the suspension consultance by large particles with a surfaces in violating gap gap jumps and drop ofts. and protective open and drock the trail before you ride. Reserve Trails e of feature sign	CAUTION MARGATORY OF THE PROPERTY OF SOUTH Australia Color for National Au
115	Mountain Trail Loop Mountain Trail Loop Riders give way to pedestrians				
118	Mountain Trail Loop Mountain Trail Loop Riders give way to pedestrians				
119		Mountain Trail Loop Riders give way to pedestrians			
120		Mountain Trail Loop	Mountain Trail Loop		
121		RSL Hike - Lots of steps - Slippery when wet			

123	1		
	Mazdos DH Trail DIFFICULT CAUTION		
	CAUTION MANDATORY DROP U U U U U U U U U U U U U U U U U U U		
125	1		
	Mountain Trail Loop Marist DH Trail	Mountain Trail Loop	
	Mazdos DH Trail	Grassy Hill Trail	
	Grassy Hill Trail		
126	Riders give way to pedestrians		
	Marist DH Trails		
	CAUTION CAUTION MANDATORY DROP U U		
127	GAP JUMP		

		Mountain Trail	Mountain Trail	
		Loop	Loop	
		\leftarrow	Tombstone Link	
		Tombstone Link	INTERMEDIATE	
		INTERMEDIATE	€	
			Riders give way to pedestrians	
		绣		
128		Riders give way to pedestrians		
		1	1	
		Wheel Nuts DH Trail	Tombstone Link - Potters Point	
		DIFFICULT	INTERMEDIATE	
		CAUTION	乔庆	
		CAUTION MANDATORY DROP	Riders give way to pedestrians	
		GAP JUMP		
129		*		
	1			
	Tombstone Link - Potters Point			
	INTERMEDIATE			
	▲ K			
130	Riders give way to pedestrians			
		1		
		Wheel Nuts DH Trail		

131	CAUT MANDA DIFFICE TO THE CAUT MANDA DIFFICE	ON P P P P P P P P P P P P P P P P P P P
132	No E One mounta tra	way in bike
133		
	Mounta Lo Maris Maris Riders giv pedes	Riders give way to pedestrians Park
134	Mounta Lou - Cent Tov	in Trail Dip Enery - Easier
136	Mounta	

137	Mountain Trail Loop JJs Trail INTERMEDIATE Riders give way to pedestrians		
138	Tenison Drive Marist Park Crater Lakes Marist Park Tenison Drive Crater Lakes Trails Trails		
139 140 141 142		No Entry One way mountain bike trail.	
144 145 146 147 148	Look out for bicycles Look out for bicycles	No Entry One way mountain bike trail. Look out for pedestrians	
		Grassy Hill Trail - Marist Park Grassy Hill Trail - Potters Point	
150		Riders give way to Riders give way to pedestrians pedestrians	
		Grassy Hill Trail - Marist Park Riders give way to Riders give way to	
151		pedestrians pedestrians Snake DH Trail	

151 B	CAUTION CAUTION MANDATORY DROP V + V GAP JUMP
	Grassy Hill Trail - Potters Point
152	Riders give way to pedestrians