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EXECUTIVE SUMMARY

The Shared Trails Masterplan was an action of the City's Municipal Public Health and Wellbeing Plan 2018–2021. The City Budget 2018/19 included a commitment to support delivery of the masterplan, and the Council Plan (19-20 Update) included commitments to creating linkages across the region.

The aim of this project is to develop a masterplan for the City's shared trails that will increase physical activity and connections between clubs, schools and social groups. More specifically this includes the following objectives:

- Identify opportunities to improve and expand the shared trails network to improve connectivity to key places where people live, learn, work and play.
- Prioritise when, why, how and in what form, improvements to the shared trails network is appropriate, based on an objective, evidencebased approach.

A shared trail can be defined as a path or corridor which is used concurrently by multiple types of users (including pedestrians, cyclists, horse riders, dog walkers etc).

Consultation

Consultation was undertaken with the community, stakeholders and asset owners to ensure the development of the masterplan was well informed and serves the needs of the community.

The community engagement program included two components: an online map based engagement platform via social pin point; and face-to-face "pop up" sessions held across the City.

In both forums, the community was asked to identify gaps and missing links in the shared trails network, along with feedback on the proposed assessment framework to be used to prioritise improvements.

These responses, along with the outcomes of the stakeholder engagement, were included in the issues and improvement identification process.

Assessment framework

For the purpose of classification, three tiers of network issues, and therefore network improvements, were defined. These classifications relate to the scale, and therefore the likely funding stream associated with implementing improvements.

- Network gaps (NG): Gaps between corridors and key attractions which require the planning and development of new shared trails.
- Trail gaps (TG): Relatively minor gaps between existing trails
- Trail deficiencies (TD): Deficiencies in the existing network which may include issues with corridor safety, surface condition or geometry

Typically, trail deficiencies are viewed as short-term projects, trail gaps as medium term and network gaps as long-term.

A multi-criteria assessment (MCA) was applied, informed by community consultation, to inform future investment in the shared trails network. The outcome of this is the prioritisation of each identified improvement.

Network gap prioritisation

The outcomes of the network gap prioritisation process are summarised below.

Rank	ID	Network Gap	Zone	MCA Score	Recommendations
1	NG07	Eastern suburbs north- south connectivity	Central	48.0	Business case for implementation
2	NG09	Ted Wilson Trail - Bayside Trail	Central	40.0	Investigate following implementation and monitoring of western link corridor
3	NG15	Drysdale - Ocean Grove	Eastern	36.9	Business case to confirm corridor availability
4	NG14	Drysdale - Portarlington	Eastern	36.5	Business case for implementation on foreshore corridor
5	NG13	Drysale - St Leonards	Eastern	35.4	Investigate in conjunction with St Leonards – Point Lonsdale project
6	NG12	Barwon Heads - Surf Coast	Eastern	34.0	Explore feasibility of Thirteenth Beach Road route via environmental investigations and consultation
7	NG16	Ocean Grove - Point Lonsdale	Eastern	33.6	Business case to confirm corridor availability
8	NG03	You Yangs - Railway Station	Northern	30.8	Engage with Parks Victoria masterplanning process to identify preferred route
9	NG04	Northern Suburbs east- west connectivity	Northern	30.8	Business case to confirm corridor availability
10	NG11	Geelong - Barwon Heads	Eastern	30.4	Explore feasibility of Lake Connewarre route via environmental investigations and consultation. Engage with Sparrowvale Masterplan process to identify preferred route
11	NG10	Geelong - Surf Coast	Southern	26.9	Support implementation via Armstrong Creek Transit Corridor
12	NG17	St Leonards - Point Lonsdale	Eastern	26.8	Explore feasibility of Swan Bay Route via environmental investigations and consultation
13	NG05	Lara east-west connectivity	Northern	25.9	Business case to confirm corridor availability, aligned with development milestones at Lara West
14	NG06	Ted Wilson Trail - Lara	Northern	24.0	Embed within growth area transport infrastructure strategy
15	NG01	Ted Wilson Trail - NWGGA	Northern	22.3	Embed within growth area transport infrastructure strategy
16	NG02	Geelong - Melbourne	Northern	15.2	Consult with City of Wyndham, regarding long term aspirations for trail
17	NG08	Geelong - Golden Plains	Central	14.7	Consult with Golden Plains Shire, regarding long term aspirations for trail

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Trail gap prioritisation

The outcomes of the trail gap prioritisation process are summarised below.

Rank	ID	Trail Gap	Zone	MCA Score	Recommendations
1	TG10	Barwon Heads - Surf Life Saving Club	Eastern	37.0	Implement trail in partnership with Barwon Coast Committee of Management
2	TG6	Bay Trail at Rippleside	Central	31.4	Implement path via line marking
3	TG7	Ted Wilson Trail (Fyansford)	Central	28.9	Business case to confirm corridor availability
4	TG4	Railway / Princes Highway crossing	Central	23.0	Business case to confirm corridor availability
5	TG3	Cowies Creek Trail - Bay Trail	Northern	22.9	Consult with landowners to confirm corridor availability
6	TG5	Tom McKean Trail - Cowies Creek Trail	Central	22.9	Implement path via line marking to existing road corridor
7	TG8	Deakin University - Waurn Ponds Station	Southern	22.0	Business case to confirm corridor availability
8	TG2	Bay Trail - North Shore Station	Northern	17.0	Implement via widening to existing footpath
9	TG9	Waurn Ponds Station southern access	Southern	16.9	Engage with Geelong Line Upgrade project to identify preferred route
10	TG1	Hovells Creek Trail - Lara	Northern	16.9	Explore feasibility via environmental investigations and consultation

Trail deficiency prioritisation

Trail deficiency improvement works are expected to be funded via the City's ongoing asset maintenance regime. These have been identified and prioritised as summarised below.

Rank	ID	Trail	Zone	MCA Score	Recommendations
1	TD03	Bay Trail	Central	17.9	
2	TD08	Tom McKean Trail	Central	17.3	
3	TD05	Cowies Creek Trail	Northern	16.8	
4	TD06	Hovells Creek Trail	Northern	15.0	Rectification works in accordance with the
5	TD09	Waurn Ponds Trail	Southern	14.5	City's Shared Path Management Plan.
6	TD04	Bellarine Rail Trail	Eastern	14.2	
7	TD07	Ted Wilson Trail	Central	12.2	
8	TD01	Bellarine Bayside Trail	Eastern	12.0	
9	TD02	Barwon River Trail	Southern	11.9	

No trail deficiencies identified for Bellarine Bayside Trail

In addition, a number of amenity related deficiencies were identified and captured, which can be addressed as short-term projects, in conjunction with trail improvement works.

Rank	ID	Amenity Deficiency	Zone	MCA Score	Recommendations	
1	AM2	User education program	General	20.3	Delivery of program	
2	AM1	Wayfinding strategy	General	18.5	Preparation of strategy	
3	AM8	End of trip facilities (Geelong CBD)	Central	13.5		
4	AM15	Bike repair station (along Bellarine Rail Trail)	Eastern	12.9		
5	AM18	Playground and BBQ (Lake Lorne, Drysdale)	Eastern	12.5		
6	AM7	Secure parking (Geelong CBD)	Central	10.6		
7	AM12	Playground and BBQ (Barwon Valley Park at Gundog Lane, Belmont)	Southern	9.8		
8	AM6	Dog bins and bags (Haines Reserve, Hamlyn Heights; Barwon River at Queens Park Road, Newtown)	Central	9.7		
9	AM16	Toilets (along Bellarine Rail Trail)	Eastern	9.7		
10	АМЗ	Bench seats (Hovells Creek, Lara)	Northern	9.6	Implement amenity	
11	AM9	Drinking fountain (Balyang Sanctuary, Newtown)	Central	9.6	improvements	
12	AM5	Toilets (Haines Reserve, Hamyln Heights)	Central	9.4		
13	AM4	Parking (Serendip Sanctuary, Lara)	Northern	8.3		
14	AM13	Toilets (Barwon River at Baum's Weir, Highton; Geelong Baseball Centre, Waurn Ponds)	Southern	8.1		
15	AM10	Dog bins and bags (Queens Park, Highton)	Southern	7.2		
16	AM14	Improve existing toilets (South Barwon Reserve, Belmont)	Southern	5.8		
17	AM17	Bench seats (Lake Lorne, Drysdale)	Eastern	5.6		
18	AM11	Drinking fountain (Barwon Valley Park at Gundog Lane, Belmont; Chenin Mews Reserve, Waurn Ponds)	Southern	5.5		

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01 INTRODUCTION

The City of Greater Geelong (the City) is seeking to encourage active travel, recreation and tourism as part of an improved and expanded shared trails network. This network forms an important element of providing for the growing population of the municipality and provides associated health and wellbeing benefits across the community.

Background

The Shared Trails Masterplan was an action of the City's Municipal Public Health and Wellbeing Plan 2018–2021. It was part of a place based strategy to increase participation in physical activity by creating healthy places where people live, learn, work and play.

The City Budget 2018/19 included a commitment to support delivery of the masterplan, and the Council Plan (19-20 Update) included commitments to:

- Undertake detailed design to create linkages between shared paths across the region; and
- Support the development of shared trail linkages to create a trail network across the region.

The documents consulted in the development of this masterplan include:

- Municipal Public Health and Wellbeing Plan, 2018–2021
- Shared Path Management Plan, 2018
- Greater Geelong: A Clever and Creative Future
- Climate Change Adaptation Strategy, 2011
- Settlement Strategy for Greater Geelong, 2018
- Greater Geelong Cycle Strategy, 2008
- Bellarine Peninsula Horse Trails Study, 2009
- Domestic Animal management plan, 2018 21
- G21 Region Road Transport Plan: 2017-2027
- G21 Regional Growth Plan 2006
- Transport Integration Act 2010
- Integrated Comprehensive Transport Plan 2015
- Cycling Investment Prioritisation Tool, 2015
- Victorian Cycling Strategy, 2018-2028
- Greater Geelong and Bellarine Tourism Development Plan (2019 - 22)

Objectives

The aim of this project is to develop a masterplan for the City's shared trails that will increase physical activity and connections between clubs, schools and social groups. More specifically this includes the following objectives:

- Identify opportunities to improve and expand the shared trails network to improve connectivity to key places where people live, learn, work and play.
- Prioritise when, why, how and in what form, improvements to the shared trails network is appropriate, based on an objective, evidencebased approach.

Scope and extents

The study area extends across the entire municipality. For the purposes of this masterplan, the shared trails network is defined as including:

- Off-road components of the Principle Bicycle Network (PBN) which is comprised primarily of the existing shared trails network.
- On-road and off-road components of the Strategic Cycling Corridor (SCC) network.
- Other trails and paths that form essential parts of the shared trails network but are owned and managed by external stakeholders

02 SHARED TRAILS

What are shared trails?

A shared trail can be defined as a path or corridor which is used by multiple user types (including pedestrians, cyclists, horse riders etc).

Depending on the number of users on some trails, the directions of travel can be divided by physical separation or line marking.

Shared trail users and requirements

There are a number of different users of the shared trail network, each with a unique set of infrastructure requirements and preferences.

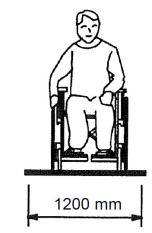
For each of the users, the movement envelope has been defined, which refers to the width required for each user to safely navigate a path.

- Pedestrians: movement envelope of 1.0 metres, regularly spaced benches, waste bins and water fountains.
- People with a disability: movement envelope of 1.2 metres and maximum grades of 5%, DDA compliant path entry locations and water fountains.
- Dog walkers: movement envelope of 1.0 metres (reflecting pedestrian requirements), waste bins, waste bag dispensers and dedicated drinking fountains.
- Cyclists: movement envelope of 1.2 metres and maximum grades of 5%, wayfinding signage, water fountains, bicycle repair stations and end of trip facilities.
- Horse riders: path width of 4 metres, advisory signage, appropriately located horse float storage and parking and appropriate surface (gravel).

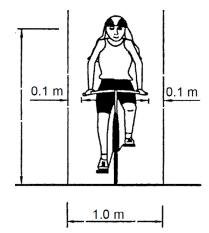
This masterplan seeks to provide increased opportunity for each of these user groups.



Pedestrian movement envelope



People with a disability movement envelope



Cyclist movement envelope

Shared trail functions

The shared trail network can be used for a variety of reasons, depending on location, surrounds and proximity to attractors:

- Recreation and tourism: Travel to recreational or tourism facilities (sporting grounds, beaches, wineries) or alternatively use of the path as a recreational activity in itself.
- Commuting: Movement between home and place of employment or study.
- Local access: Travel to local attractors, including retail, recreational facilities and and larger transport interchanges.

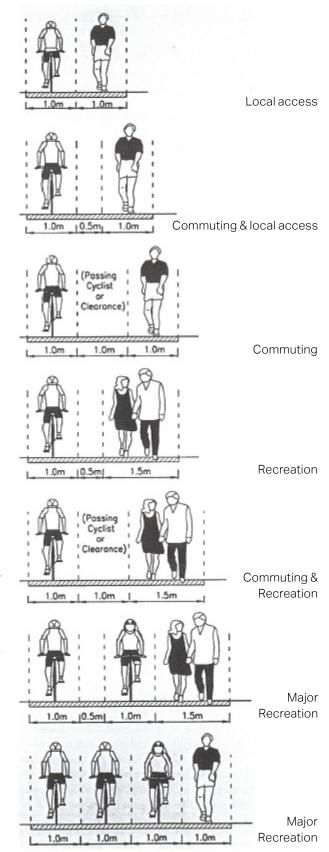
There is also an aknowledgement that each trip on the shared trails network could involve a combination of functions.

This masterplan seeks to provide increased opportunity across each of these functions.

Benefits of shared trails

Shared trails offer a suite of benefits to the community:

- Health: A goal of the Municpal Health and Wellbeing Plan is "increasing participation in physical activity" in response to a finding that over half of the City's adults do not meet the minimum physical activity guidelines. Shared trails provide all members of the community, regardless of ability, opportunity to participate in phycial activity.
- Social: A key outcome of an expanded shared trails network is improved accessibility and connectivity within and between neighbourhoods. The network should also be appropriate for users of all ages.
- Environmental: A shift of trips from private vehicles towards shared trails has a direct positive impact on vehicle emissions. Higher levels of shared trail use result in a cleaner, less polluted local environment.
- Economic: A shared trail network which connects key tourism destinations, both natural and commercial, will drive increased visitation and economic activity. The Greater Geelong and Bellarine Tourism Development Plan identifies the Bellarine Peninsula as one location which could benefit from shared trail driven visitation.



03 METHODOLOGY

Improvements to the shared trails network have been planned by building an evidence base to identify issues and gaps in the network. In response to these issues a series of network improvements have been identified and then prioritised using a geographic information system (GIS) based tool.

Existing network

Review performance, condition and coverage of existing shared trail network

Consultation

Engage with key stakeholders and the community to identify network issues and improvements

Network issues

Identify network issues, shortcomings and constraints

Network improvements

Identify improvements which address the identified network issues

Prioritisation

Develop multi-crtieria analysis (MCA) framework to priotiritise network improvements

Assessment classifications

For the purpose of classification, three tiers of network issues, and therefore network improvements, have been defined. These classifications relate to the scale, and therefore the funding stream associated with implementing improvements.

- Network gaps: Gaps between corridors and key attractions which require the planning and development of new shared trails.
- Trail gaps: Relatively minor gaps between existing trails
- Trail deficiencies: Deficiencies in the existing network which may include issues with corridor safety, surface condition or geometry

Typically, trail deficiencies are viewed as short-term projects, trail gaps as medium term and network gaps as long-term.

Geographic classifications

To organise improvements, the study area was divided into zones. This approach was applied in recognition of the different characteristics of each zone (suburban vs regional) and the difference in shared trail network coverage across the City.

- Northern: North of Cowies Creek
- Central: Bounded by Cowies Creek, Barwon River and Point Henry
- Southern: Bounded by Barwon River and Lake Connewarre
- **Eastern:** Bounded by Point Henry and Lake Connewarre



04 EXISTING NETWORK

For the purposes of this masterplan, the shared trails network is defined as all off-road components of the PBN plus on-road and off-road components of the SCC network. The major trails which make up the network are:

- Barwon River Trail
- Bay Trail
- Bellarine Bayside Trail
- Bellarine Rail Trail
- Cowies Creek Trail
- Hovells Creek Trail
- Ted Wilson Trail
- Tomn McKean Trail; and
- Waurn Ponds Creek Trail

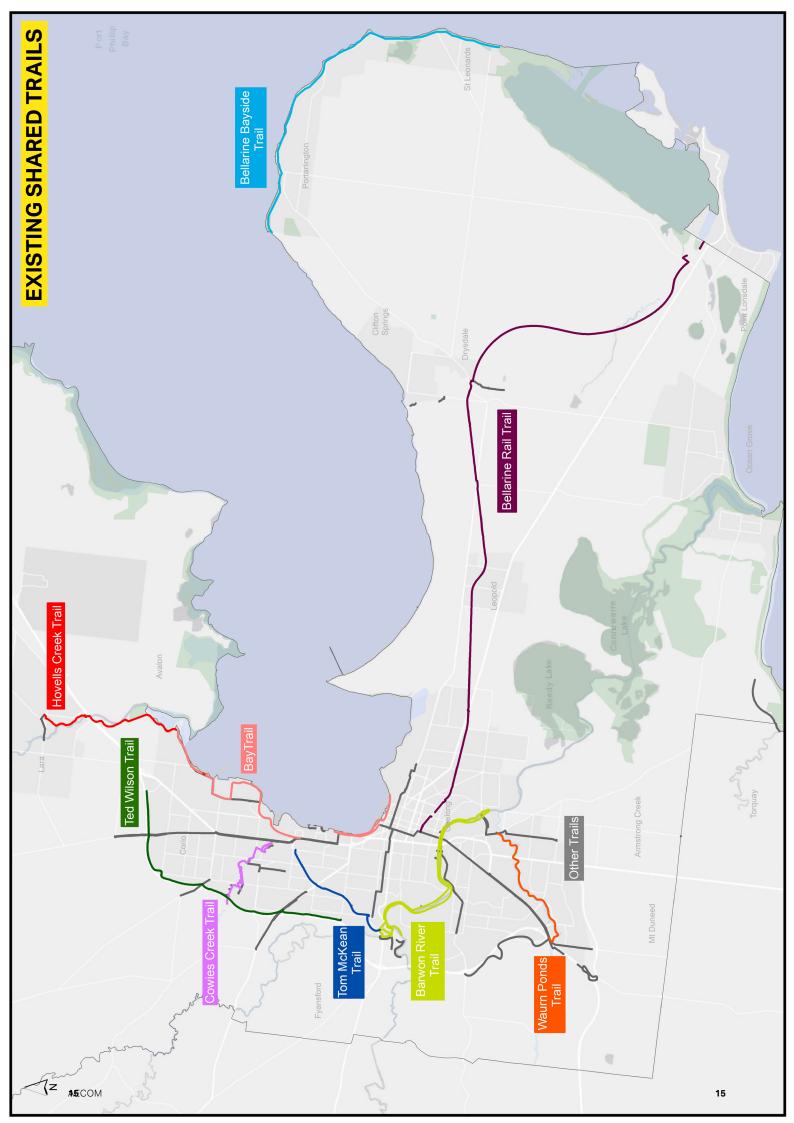
Each of these is managed by the City with the exception of Barwon River Trail (Corangamite Catchment Management Authority) and Bellarine Foreshore Trail (Bellarine Bayside Foreshore Committee).

Those trails managed by the City are subject to an inspection regime which is undertaken annually. In the event that paths are considered to be high usage and pose greater risk, inspection frequency will be increased to a six monthly cycle and appropriate rectification works undertaken.

In reviewing the existing network, the following information and data was considered, before it was compiled into the GIS database on which the MCA was undertaken:

- Network usage
- Surrounding road, public transport and on-road cycle network
- Crash history
- Land use and population catchments
- Planning scheme overlays, including environmental, heritage and flooding
- Health data identifying local levels of physical activity

Details relating to this data is included in the Technical Appendix.



05 CONSULTATION

Consultation was undertaken with the community, stakeholders and asset owners to ensure the development of the masterplan was well informed and serves the needs of the community.

The outcomes of this consultation process informed the identification of network issues and network improvements.

Asset owners

Several of the key shared trails across the municipality – and opportunities for the improvements – lie within corridors owned or operated by other owners and authorities. They were consulted to understand the nature of the existing network and to understand the opportunities and constraints associated with the implementation of network improvements.

The following committed shared trail network improvements were confirmed:

- Midland Highway (planning)
- Bellarine Link (planning)
- Drysdale Bypass (under construction)
- Barwon Heads Road (planning)

Stakeholders

A stakeholder workshop was held on 18 June 2019, to brief key stakeholders on the masterplan and seek input into the development process.

Those invited included the Department of Transport, Bicycle Network, Regional Roads Victoria, and broader City of Greater Geelong stakeholders encompassing community engagement, recreation and open space, social planning, health and wellbeing, and asset maintenance.

Stakeholders provided feedback with discussions ranging from short-term operational improvements to long-term network aspirations.

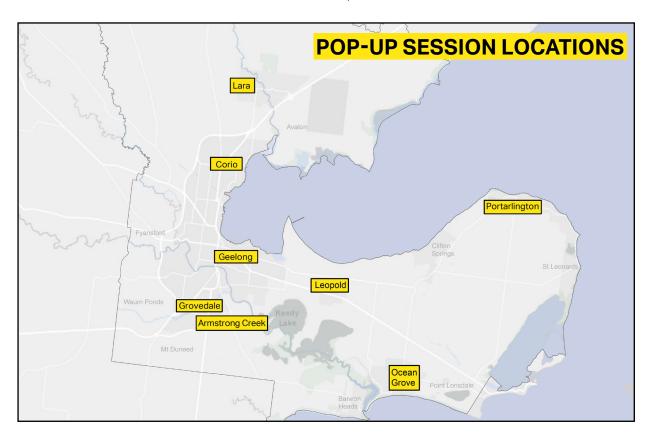
The community

The community engagement program was conducted in July and August 2019 and included two components: an online map based engagement platform via social pin point; and face-to-face "pop up" sessions held across the City.

In both forums, the community was asked to identify gaps and missing links in the shared trails network, along with feedback on the proposed assessment framework to be used to prioritise improvements.

A total of 1,445 responses were received from the community. These responses, along with the outcomes of the stakeholder engagement, were included in the issues and opportunities identification process.

When asked to rank which principles they see as most important in the development of the future network, an additional 291 comments were provided. Respondents ranked "safety for everyone", "connectivity to destinations" and "suitable for all ages" as the most important crtieria.







Sessions

1,445
Respondents







Social Media Reach

Key themes identified during consultation include:

Safety

- Conflict between various user types due to differences in speed and ability
- Requirement for localised widening, improved drainage and surface upgrades
- Importance of shared trail network providing alternatives to on-road paths

Amenities

- Lack of, and inconsistency in, wayfinding signage
- Need for lighting on some sections of trail utilised by commuters
- General requirement for toilets, drinking fountains, bicycle parking, repair stations and end of trip facilities
- Mixed responses to continued sealing of Bellarine Rail Trail

Dog walking

- Lack of supporting amenities for dog walkers, including bins, waste bags
- Concern with conflict between off-lead dogs and other trail users
- Need for increased number of locations for offlead dog parks and improved signage
- Improved enforcement ensuring owner's collection of dog waste

Horse riding

- Opportunities that horse riding presents for increased tourism
- Concern with conflict between horses and other trail users and the environment
- Need for separate horse riding paths where a gravel surface is not provided

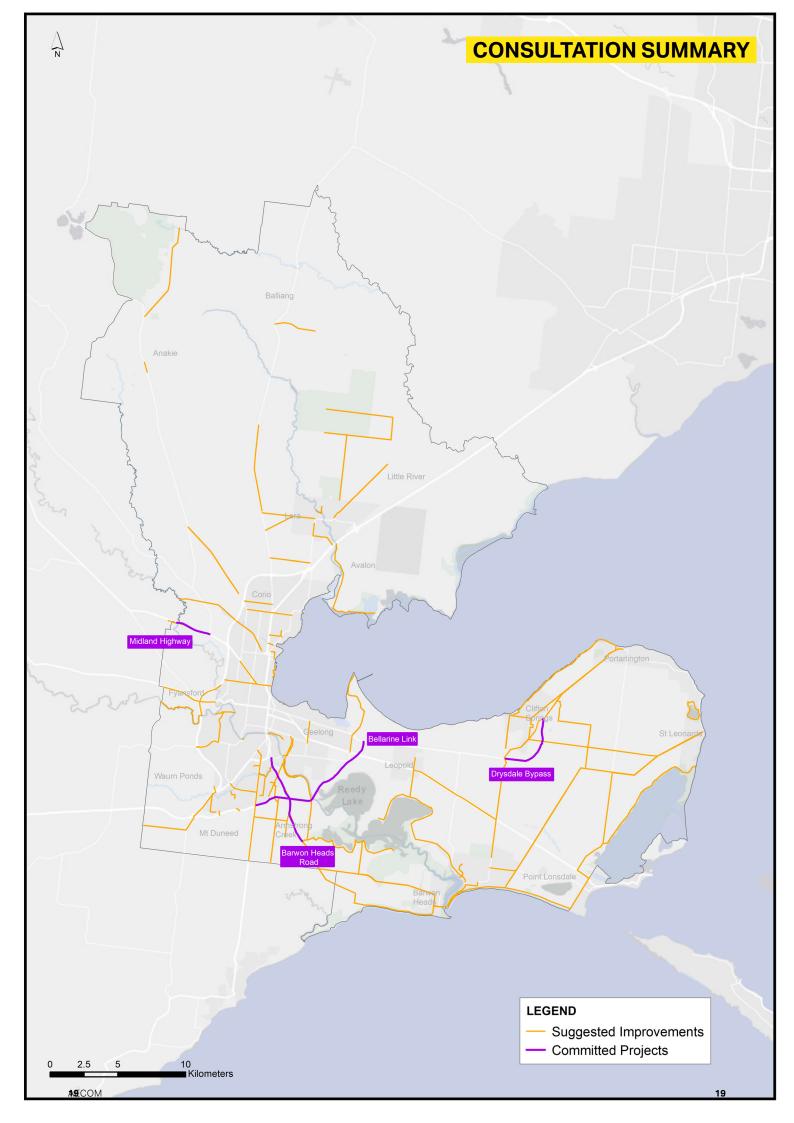
Access and connectivity

- Connection within and connecting growth areas to Central Geelong (NWGGA, Armstrong Creek, Lara West)
- Opportunity for shared trails to provide for improved tourism offering (You Yangs, Bellarine Peninsula, Barwon River, Lake Connewarre)
- Connectictivity gaps to major transport hubs and railway stations (Lara, North Shore, Marshall, Waurn Ponds)
- Termination of, or small gaps in, existing shared network
- · Connectivity between major shared trails
- Connectivity between northern suburbs (Corio, Norlane) and central Geelong
- Lack of general connectivity across Bellarine Peninsula between major centres

Other authorities

- Support for integration with neighbouring municipalities (Golden Plains Shire, Surf Coast, Wyndham)
- Suggestions for integration with other local authorities' facilities (Barwon Water, Parks Victoria)

A summary of the access and connectivity improvements identified during consultation process is provided.



06 NETWORK ISSUES

Network issues have been organised according to three classifications:

- network gaps
- · trail gap; and
- trail deficiencies

Network issues were identified via an assessment of asset condition and network connectivity; and officer, stakeholder and community feedback. All network issues identified int he masterplan were validated by the City.

The identified network issues have been organised by geographic zone.

- Northern: North of Cowies Creek
- Central: Bounded by Cowies Creek, Barwon River and Point Henry
- **Southern:** Bounded by Barwon River and Lake Connewarre
- Eastern: Bounded by Point Henry and Lake Connewarre

Network issue summaries for each zone are presented in subsequent pages.

Network gaps

Network gaps (NG) have been defined as those which require extension of the network, and subsequently require the planning and development of new shared trails.

Northern zone

NG1 Ted Wilson Trail - NWGGA

Existing network (Ted Wilson Trail) to the proposed North and West Geelong Growth Areas

NG2 Geelong - Melbourne

Lack of off-road alternative to Princes
Freeway between Geelong and Melbourne

NG3 You Yangs - Railway Station

You Yangs Regional Park and the nearby railway line (via Lara or Little River)

NG4 Northern suburbs east-west connectivity

Lack of off-road corridor for Norlane and Corio residents to access exisiting network (Hovells Creek and Ted Wilson Trails)

NG5 Lara east-west connectivty

Lack of off-road corridor for Lara residents to access exisiting network (Hovells Creek and Ted Wilson Trails)

NG6 Ted Wilson Trail - Lara

Existing trail (Ted Wilson Trail) to Lara West growth area

Central zone

NG7 Eastern suburbs north-south connectivity

Link between Eastern Gardens, Bellarine Rail Trail and Barwon River Trail

NG8 Geelong - Golden Plains Shire

Existing network (Ted Wilson Trail) to Golden Plains Shire

NG9 Ted Wilson Trail - Bayside Trail

Lack of off-road corridor for estern suburbs to access exisiting network (Bayside and Ted Wilson Trails)

Southern zone

NG10 Geelong - Surf Coast Shire

Existing network (Waurn Ponds Creek Trail) to Surf Coast Shire

Eastern zone

NG11 Geelong - Barwon Heads

Lack of off-road alternative to Barwon Heads Road and access to Reedy Lake and Lake Connewarre

NG12 Barwon Heads - Surf Coast Shire

Lack of off-road alternative to Thirteenth Beach Road

NG13 Drysdale - St Leonards

No integration between Bellarine Rail Trail and Bellarine Foreshore Trail and these centres

NG14 Drysdale - Portarlington

No connection between Bellarine Rail Trail and Bellarine Foreshore Trail and these key centres

NG15 Drysdale - Ocean Grove

No connection between Ocean Gove and Bellarine Rail Trail (and on to Geelong)

NG16 Ocean Grove - Point Lonsdale

No connection between Ocean Gove and Bellarine Rail Trail and lack of off-road alternative to Shell Road via Lonsdale Lakes

NG17 St Leonards - Point Lonsdale

No connection between Bellarine Rail Trail and Bellarine Foreshore Trail and access to Swan Bay

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Trail gaps

Trail gaps (TG) have been identified as relatively minor gaps in existing trail corridors which, if addressed, could significantly enhance the overall network.

Northern zone

TG1 Hovells Creek Trail - Lara

Linking central Lara to Hovells Creek Trail via creek alignment

TG2 Bay Trail - North Shore Station

Short gap between existing Bay Trail and North Shore Railway Station

TG3 Cowies Creek Trail - Bay Trail

Gap in existing network via Cowies Creek alignment

Central zone

TG4 Railway Line / Princes Freeway crossing

Gap between Bay Trail and Tom McKean Trail across freeway and railway line

TG5 Tom McKean Trail - Cowies Creek Trail

Gap in existing network across railway line, via industrial estate

TG6 Bay Trail at Rippleside

Gap in the Bay Trail from St Helens Boat Ramp to Rippleside Park

TG7 Ted Wilson Trail (Fyansford)

Gap in Ted Wilson Trail between Moorabool River and Barwon River

Southern zone

TG8 Deakin University - Waurn Ponds Station

Lack of off-road connection between university and its nearest railway station

TG9 Waurn Ponds Station southern access

No direct access to Waurn Ponds Station from the trail alongside Baanip Boulevard, to the south of the railway line.

Eastern zone

TG10 Barwon Heads - Surf Life Saving Club

Lack of off-road connection from Barwon Heads to Surf Life Saving Club

Trail deficiencies

Deficiencies have been identified as those sections of existing trails which satisy either of the following criteria:

- Trail widths that do not satisfy minimum geometry requirements of trails (as shown on page 11)
- Trails that have a surface condition that impedes users (see images below)
- Trails that lack in amenity (water fountains, seating, bins, dog facilities)

A summary of all trail deficiencies, by trail, are presented in the table below.





Example of high and poor quality surface condition

These defiencies have been shown to be concentrated on the following trails (those with greater than 75% of length impacted).

Northern zone

Hovells Creek Trail

Central zone

- Cowies Creek Trail
- Tom McKean Trail

Southern zone

Waurn Ponds Trail

Eastern zone

It is acknowledged that the existing network in the eastern zone lacks coverage (particularly across the Bellarine Peninsula). As a result of this lack of existing network, no significant trail deficiencies were identified, and issues have rather been captured as network gaps.

Trail	Total	Trail Width I	Deficiencies	TrailSurface	Deficiencies	Total Deficiencies		
ITali	Length	Length	%	Length	%	Length	%	
Bellarine Bayside Trail	15.09	0	0%	0	0%	0	0%	
Barwon River Trail	19.74	6.33	32%	2.76	14%	6.99	35%	
Bay Trail	11.22	3.92	35%	4.49	40%	5.78	52%	
Bellarine Rail Trail	30.53	0.38	1%	1.01	3%	1.40	5%	
Cowies Creek Trail	5.99	4.00	67%	3.61	60%	4.63	77%	
Hovells Creek Trail	8.84	6.57	74%	6.80	77%	7.45	84%	
Ted Wilson Trail	11.31	0.10	1%	0.07	1%	0.16	1%	
Tom McKean Trail	5.21	4.54	87%	3.71	71%	4.65	89%	
Waurn Ponds Trail	6.17	3.82	62%	4.59	74%	5.01	81%	
Other Trails	79.66	16.56	21%	17.84	22%	27.37	34%	
Total	193.76	46.22	24%	44.89	23%	63.44	33%	

No data available for Bellarine Bayside Trail. All lengths in kilometres

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In addition, a number of amenity (AM) related deficiencies were identified and captured.

Ge	ne	ral
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AM1 Lack of wayfinding between trails and to local amenities (toilets, drinking fountains etc.)

AM2 Dangerous or inapproriate use of the network by some users, particualry on Waurn Ponds Creek, Barwon River and Bellarine Rail trails

Northern zone

АМ3 Bench seats (Hovells Creek, Lara) AM4 Parking (Serendip Sanctuary, Lara)

Central zone

AM9

Toilets (Haines Reserve, Hamyln Heights) AM5 AM6 Dog bins and bags (Haines Reserve, Hamlyn Heights; Barwon River at Queens Park Road, Newtown) AM7 Secure parking (Geelong CBD) End of trip facilities (Geelong CBD) 8MA

Drinking fountain (Balyang Sanctuary,

Newtown)

Southern zone

AM10

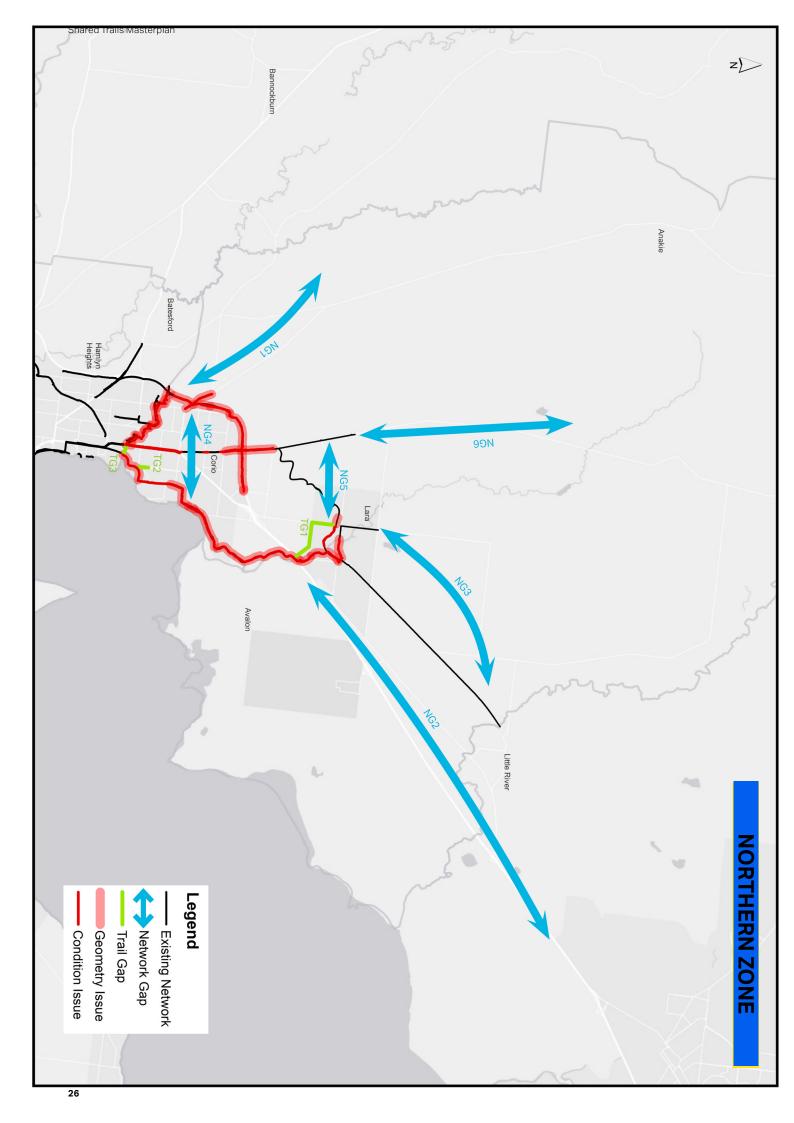
Dog bins and bags (Queens Park, Highton) AM11 Drinking fountain (Barwon Valley Park at Gundog Lane, Belmont; Chenin Mews Reserve, Waurn Ponds) Playground and BBQ (Barwon Valley Park at AM12 Gundog Lane, Belmont) AM13 Toilets (Barwon River at Baum's Weir, Highton; Geelong Baseball Centre, Waurn Ponds) AM14 Improve existing toilets (South Barwon

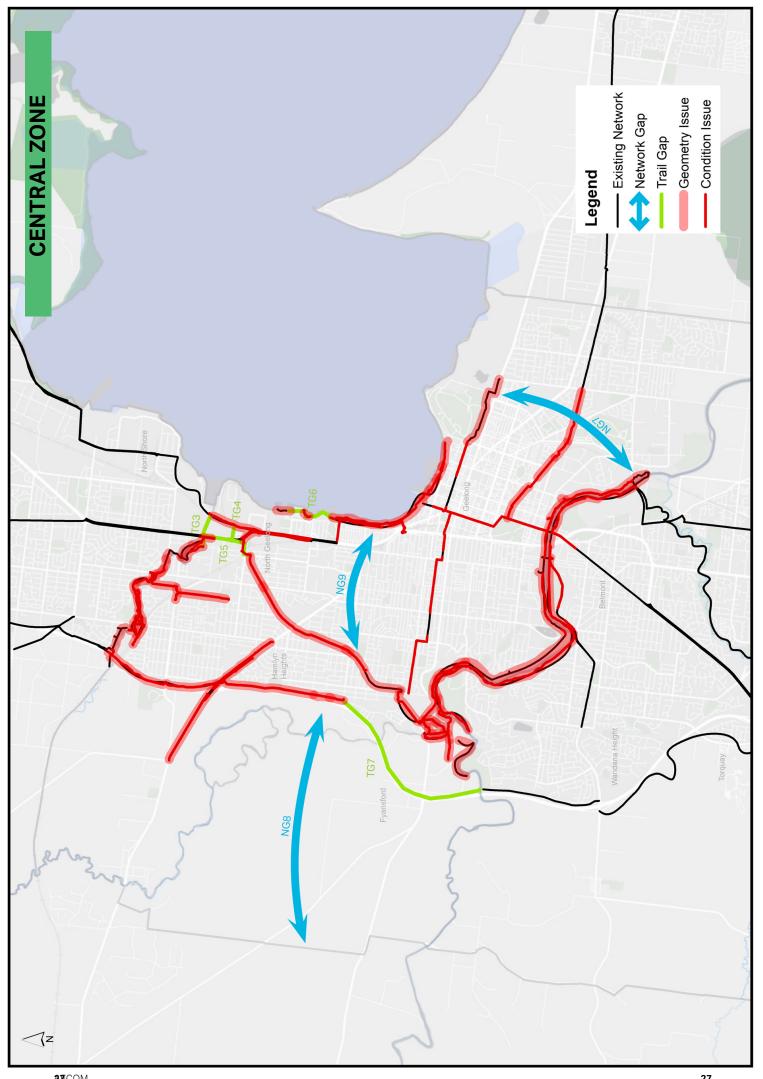
Reserve, Belmont)

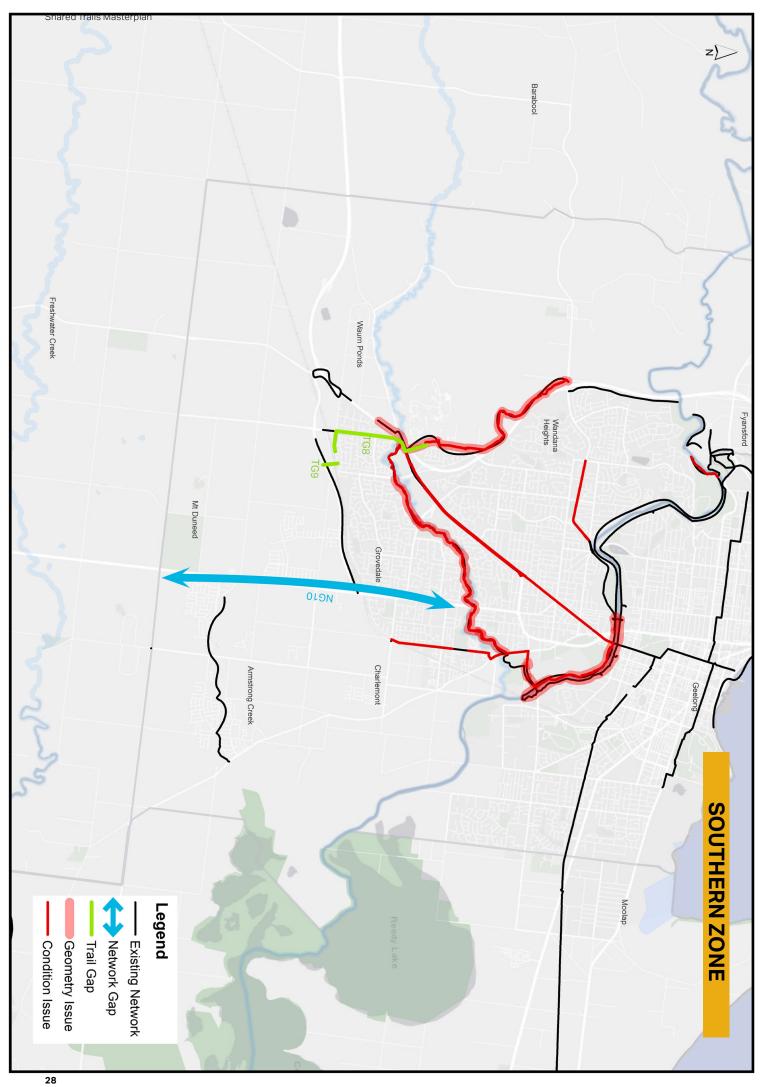
Eastern zone

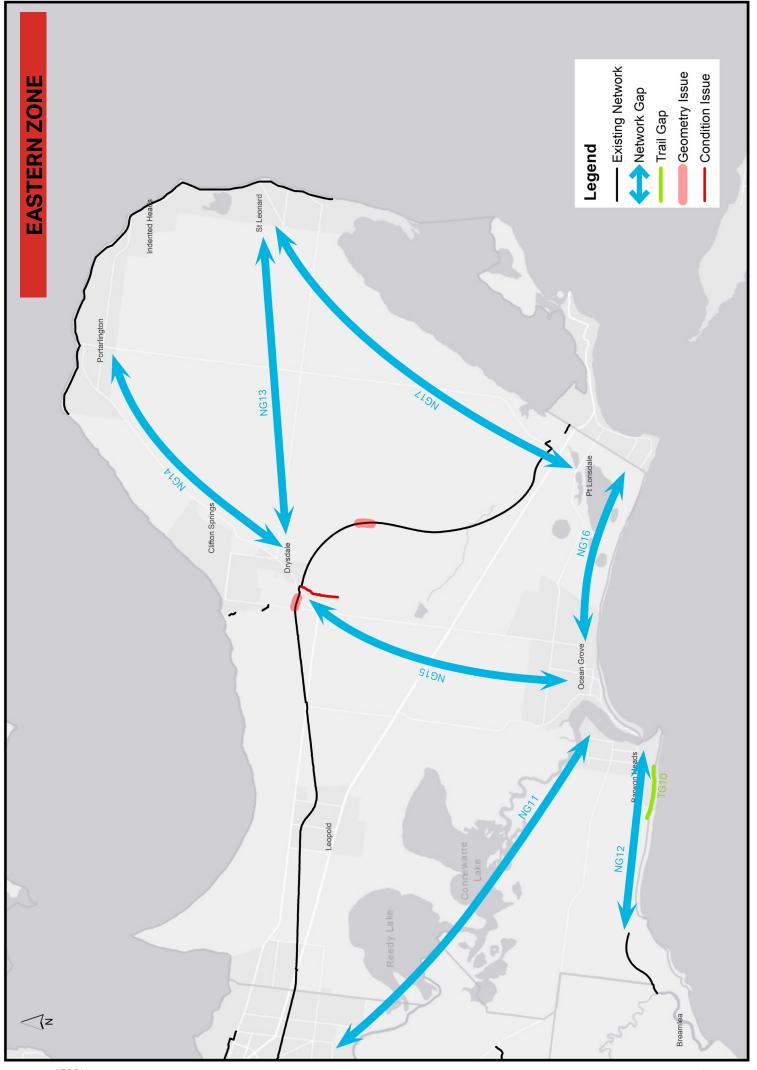
AM15 Bike repair station (along Bellarine Rail Trail) AM16 Toilets (along Bellarine Rail Trail) AM17 Bench seats (Lake Lorne, Drysdale) Playground and BBQ (Lake Lorne, Drysdale) AM18











07 NETWORK IMPROVEMENTS

In response to the identified network issues, and the outcomes of the consultation process, a series of network improvements were considered.

Network gaps

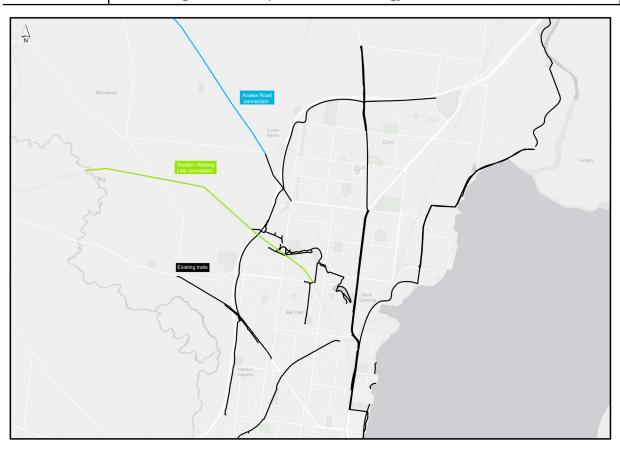
Network gaps relate to larger scale links between destinations, and as a result the trail corridor, rather than a spcific route has been identified. Within each corridor, a number of route options could be pursued, and have been discussed, including any challenges to implementation.

For each of the network gap improvements, a range of information has been summarised. This information informed the multi-criteria assessment process and relates to the proposed use of the trail and the benefits it will provide for its users.

- Extents: description of the full extents of the trail
- Objective: underlying and purpose of the trail
- Function: which of the defined functions (recreation, commuter, education and local access) the trail will provide for.
- Connectivity: Measure of the importance of the trails or destinations the proposed trail will connect
- Tourism Benefit: benefits to tourism that the trail will generate
- Safety Benefit: safety benefits across the network that the trail will generate
- Route Options / Challenges: A discussion of the proposed routes, and challenges associated with their implementation
- Recommendation: Proposed next steps towards implementation
- What we heard from the community: A snapshot of the feedback received during the community consultation relating to the trail gap

The following tables summarise all network gap improvements.

NG1	Ted Wilson Tra	ail - NWG	GA								
Extents	Ted Wilson Trai Corridor	l (Geelong	g Ring Road) to	proposed C	lever and Creat	ive	Approx. Length	5 km			
Objective					sting network the thern and West						
Function	Recreation	No	Commuter	Yes	Education	No	Local Access	Yes			
Connectivity	Major (Ted Wils	Major (Ted Wilson Trail) – Minor (Clever and Creative Corridor)									
Tourism Benefit	None	None									
Crash History Safety Benefit	None	None									
Route Options /	Western Railw The Western Rarepresent the einfrastructure i Area, and serve functionality.	ailway Cor extension nto the We	of existing trail estern Geelong	g Growth	Design of a cycling trail along this corridor would require acknowledgement of and balancing with the potential for a future return to public transport services to this valuable asset.						
Challenges	Anakie Road Anakie Road is Northern and V and is therefore significant grow decades.	Vestern G e faced wi	eelong Growth th the expecta	Areas, tion of	Arterial roadway may be a disincentive to users if adequate separation is not provided. Current reserve includes extended grass areas on either side of this two-lane road that could potentially be suitable for upgrade into a new shared trail.						
What we heard from the community	"Provide share	d path alo	ngside railway	line"	,						
Recommendation	Embed within g	rowth are	a transport infi	rastructure	strategy						

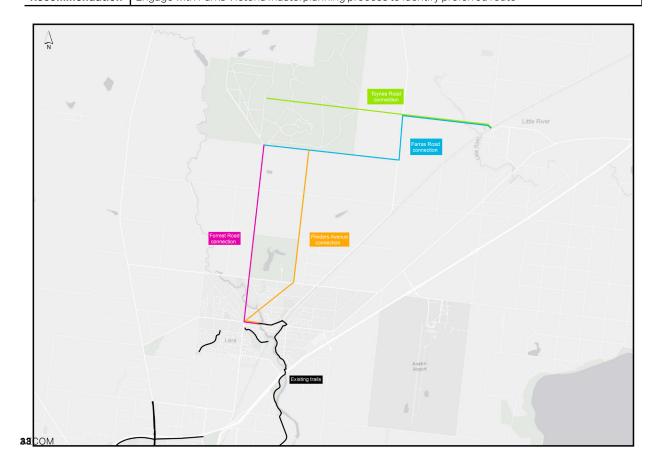


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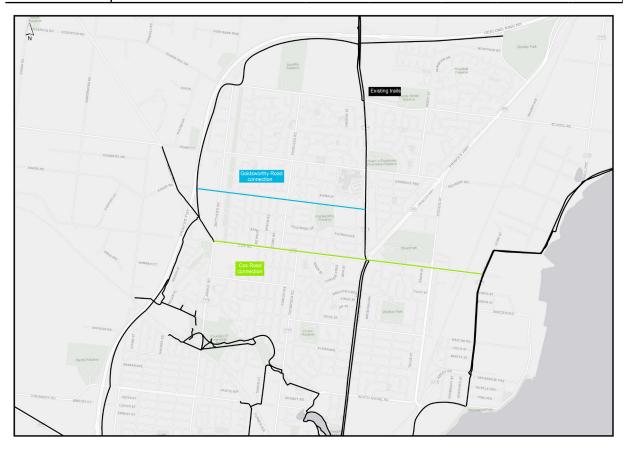
NG2	Geelong - Mel	bourne				Geelong - Melbourne									
Extents	Hovells Creek	Trail (Hove	lls Creek, Lara)	to Little Riv	er (LGA boundai	ry)	Approx. Length	10 km							
Objective	Provide an off-	road conn	ection betwee	n Lara and N	Melbourne (via C	ity of Wyn	dham)								
Function	Recreation	Yes	Commuter	Yes	Education	No	Local Access	No							
Connectivity	Minor (Hovells	Creek Trai	l) – Minor (Little	River)											
Tourism Benefit	Regional – Pas	Regional – Passive (recreational cyclists)													
Crash History Safety Benefit	None	None													
Route Options / Challenges	Princes Freew Whilst corridor implementatio Geelong – Mel Utilising the rai Little River raily relatively direc relatively flat ro Avalon Coasta Whilst not direc serve the addit tourism feature and recreation	width is a n of a shar lway corri way station t link towa bute. al Trail ct, an Aval- tional funce, connect	ed trail, ailway Line dor between Lans would provider de Melbourne on Coastal Traition of a recreating with multip	ara and de a along a I would ation and	whilst a corridmaintenance tsubject to convicTrack. The primary clof a corridor th controlled land	eavy traffic o users. dor exists a crails, impli sultation a hallenges brough a m d and man	ors on route) and cooling the existing ementation would be identified by the environmental construction.	d act as a ng track uld be with fication d state onmental							
What we heard from the community	This would be r	much safe	r than riding th	e back road	vay between Littles between Little	River and	Werribee, espe	cially at							
Recommendation	Consult with C	ity of Wyn	dham, regardin	g long term	aspirations for t	rail									



NG3	You Yangs - Ra	ou Yangs - Railway Station										
Extents	You Yangs Reg	ional Park	to Railway Stat	ion (Little R	iver and/or Lara))	Approx. Length	6 km				
Objective							ver Station). A k undertaking a m					
Function	Recreation	Yes	Commuter	No	Education	No	Local Access	No				
Connectivity	Major (You Yan	gs Region	al Park) – Minor	(Railway St	ation)							
Tourism Benefit	Regional - Pas	Regional – Passive (recreational cyclists)										
Crash History Safety Benefit	None	lone										
Route Options / Challenges	Little River via This route is se shoulder clear shared trail. Little River via Toynes Road is volumes. Lara via Flinde A connection v with the You Ya offering. This re connecting wit Lara and passi Lara via Forre Connects Sere as a combined	aled for its of vegetate a Toynes I a Toynes I a currently ers Avenuria Lara linings as a coute has the the existing educate at Road andip Sand	s entirety, with a cion providing was considered with example of the considered with the second facilities.	wide vidth for a low traffic ncuary sm enefit of eek Trail in	No preliminary challenges identified at this time. Entry to the You Yangs is via a minor car park, rather than the major entrance via Branch Road. No preliminary challenges identified at this time. Forrest Road alternatively would require additional connecting routes to ensure it							
What we heard from the community	"Linking the to	wnship to	the You Yangs v		path would end	courage m	ng shared trail r ore families to s pedestrians, saf	afely ride				
Recommendation	Engage with Pa	arks Victor	ia masterplanr	ning process	s to identify pref	erred rout	e					



NG4	Northern Sub	urbs east	-west connec	tivity						
Extents	Ted Wilson Trai	il to Hovel	s Creek Trail				Approx. Length	3 km		
Objective	major shared tr	rails which	bound them (7	Γed Wilson T	ern suburbs (No rail, Hovells Cre and retail preci	ek Trail). T				
Function	Recreation	Yes	Commuter	No	Education	Yes	Local Access	Yes		
Connectivity	Major – Minor	ajor – Minor								
Tourism Benefit	None									
Crash History Safety Benefit	Indirect – mino	ndirect - minor								
	Goldsworthy Road Goldsworthy Road is a key east-west connection from the Ted Wilson Trail to the northern suburbs. The route provides direct access to Goldsworthy Reserve, Northern Bay College and Corio Village.							worthy		
Route Options / Challenges	Cox Road – St This is a signific reallocation of upgrade along provide direct a (WaterWorld, S (Corio Library).	cant road road spac most of it access to		a disincentive t not provided.	o users if					
What we heard from the community	"It would be far shore paths so				hovels creek p e fantastic!"	ath or get	through to the r	north		
Recommendation	Business case	to confirn	n corridor availa	ability						

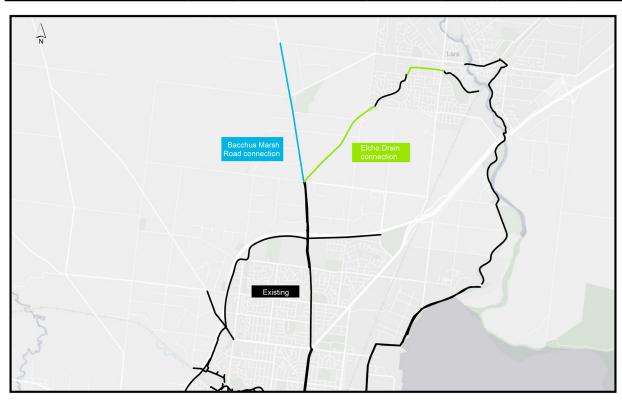


NG5	Lara east-wes	ara east-west connectivity									
Extents	Bacchus Marsl	n Road – L	ara				Approx. Length	5 km			
Objective		on Lake Ro	ad) and connec		which will require a. It would seek t						
Function	Recreation	Yes	Commuter No Education Yes Local Access Yes								
Connectivity	Major (Lara) – N	ajor (Lara) – Minor (Lara West growth area)									
Tourism Benefit	None	None									
Crash History Safety Benefit	Indirect – Mino	ndirect – Minor									
Route Options / Challenges	Road and Elcho corridor most a Lara West Pred	as ample von Road, with appropriate sinct Struction and the struct	vidth between F th the northern e for a shared t sture Plan includ k, which connec	side of the rail. The des an off-	Corridor narrows west of Elcho Road						
		Road). The	vidth to Patullos e southern side e.		Norther side of Elcho Road has a number of property accesses and telecommunications infrastructure.						
What we heard from the community					ess to Station ra ne expansion of		and shops, car _l	oark at			
Recommendation	Business case	to confirn	n corridor availa	bility, aligne	ed with developr	ment miles	stones at Lara \	Vest			

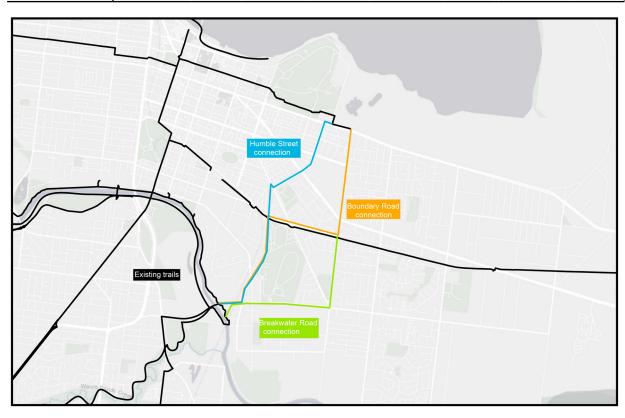


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NG6	Ted Wilson Tra	ail - Lara \	West									
Extents	Ted Wilson Trai	il (Ring Roa	ad) – Lara West	(Elcho Road	d)		Approx. Length	4 km				
Objective		ter Geelon	ig (Ted Wilson	Trail) to the s	which will require south. This woul							
Function	Recreation	Recreation Yes Commuter No Education No Local Access Yes										
Connectivity	Major (Ted Wils	ajor (Ted Wilson Trail) – Minor (Lara West growth area)										
Tourism Benefit	None	None										
Crash History Safety Benefit	Indirect - Minor	Indirect - Minor										
Route Options /	Bacchus Marsh Road Bacchus Marsh Road is the major north-south road corridor providing this connection. There is ample width within the corridor for a shared trail,											
Challenges	Elcho Drain An alternative to the road corridor, is the use of the Elcho Drain reserve for the implementation of a shared trail. This reserve runs from Bacchus Marsh Road, just north of Heales Road into Lara. Utilising this eserve would require additional trains to reach the Lara West growth areas, however provides direct access to the centra of Lara.											
What we heard from the community	connected to 0	Geelong (T ng, a very	ed Wilson and easy commute	Hovell's Cre , freeing up	l North of Lara, a ek) would be ide Geelong roads f	eal for cycl	ist commuters.	It is only				
Recommendation	Embed within g	rowth are	a transport infi	rastructure	strategy							

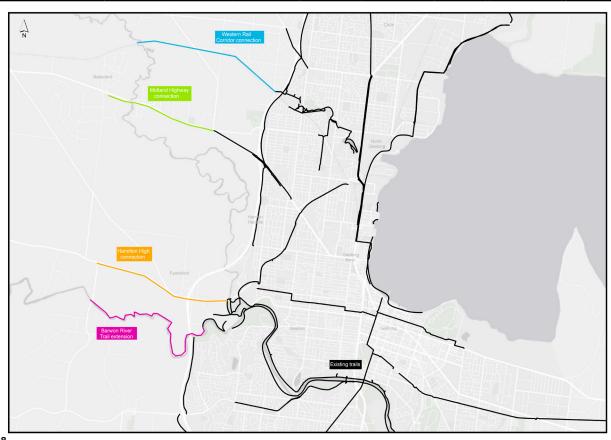


NG7	Eastern Subu	Eastern Suburbs north-south connectivity										
Extents					iry Road - Bellar Terrace - Break		Approx. Length	4 km				
Objective	Providing a nor Geelong forest		onnection at t	his location	links the Barwoi	n River Tra	il, Bellarine Rail	Trail and				
Function	Recreation	reation Yes Commuter No Education Yes Local Access										
Connectivity	Major (Barwon	lajor (Barwon River Trail) – Minor (Eastern Gardens)										
Tourism Benefit	Local – Passive	ocal – Passive										
Crash History Safety Benefit	Indirect – Serio	ndirect - Serious										
Route Options / Challenges	Boundary Roa It is however a sinclude kerbsic Humble Stree This route prov Breakwater Roa a predominant ample corridor the central bouthe roadway.	wide road de trail faci t – Lomon rides more ad section ly resident width alor allevard or o	d Terrace direct access of the corrido ial environmen	s to the or, through nt. There is r via either	a significant p presenting a p	roportion ootential d	y trafficked, wit of heavy vehick isincentive to us es identified at t	es, sers.				
	Breakwater Ro An option for in Geelong Show fences, before between Barwa	nplementa grounds a utilising th	nd Racecoure ie railway rese	boundary rve	Implementation and negotiation		e subject to co Track.	nsultation				
What we heard from the community	"An off-street link between the Bellerine rail trail and the eastern gardens path is a key missing link for family riding. Add this and a few other off street link, will create a great family ride around Geelong."											
Recommendation	Business case	for implen	nentation									



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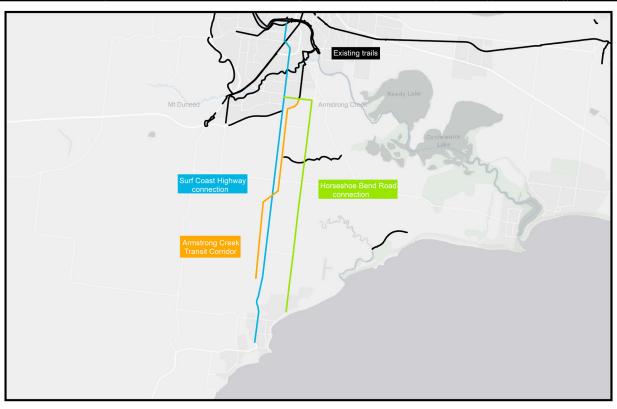
NG8	Geelong - Golden Plains Shire									
Extents	Geelong Ring F	Road – Gol	den Plains				Approx. Length	15 km		
Objective	Provide an off-	road conn	ection betwee	n Fyansford	and Golden Pla	ins Shire (Bannockburn / I	nverleigh)		
Function	Recreation	Yes	Commuter	No	Education	Yes	Local Access	Yes		
Connectivity	Major – Minor	ajor – Minor								
Tourism Benefit	Local – Passive	ocal – Passive (recreational cyclists, horse riders)								
Crash History Safety Benefit	None	lone								
Route Options / Challenges	Western Rail (This corridor had the proposed Nannockburn (a) Midland Highway As part of Regil Highway upgra implemented both Hamilton Highway and the objective of Hamilton Highway Barwon River Once again, the	as the dua NWGGA, brapproxima way onal Road de, a share between G nway of any trail way be cor Trail Exte e objective	efore continuir stely 15 km) s Victoria's Mic ed trail will be eelong and Ba extension via t enection with In nsion e of any trail ex	dland nnockburn. the nverleigh. tension to	balancing with public transpoon. No preliminary The grade chacorridor unlike	the poten ort service y challeng allenges and ely to be in	es identified at t nd overall make nplemented. Ived (approxima	return to this time.		
What we heard from the	"Suggest a trail commute and a	The west would be connection with Inverleigh. km) and private properties abutting the river Suggest a trail from Bannockburn-Batesford-Ted Wilson trail as an opportunity for cyclists to commute and also for leisure pursuit/tourism. Bannockburn is only 22km from Geelong-an easy								
community				•	de lockable bike		throughout the	CBD."		
Recommendation	Consult with G	olden Plair	ns Shire, regar	ding long ter	m aspirations fo	or trail				



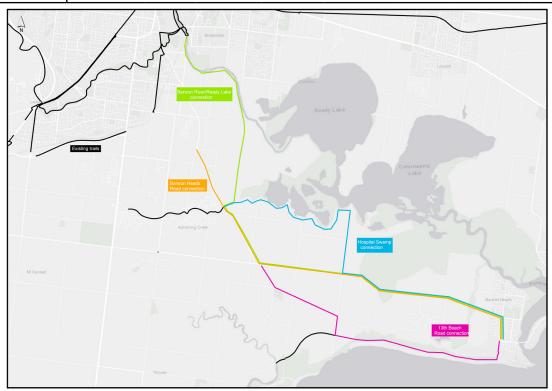
NG9	Ted Wilson Tra	ail – Bay T	rail							
Extents	Geelong Ring F	Road – Bay	/Trail				Approx. Length	4 km		
Objective		ould be su	iperseded by th	ne proposed	g Tom McKean T d Western Link, t for cyclists.					
Function	Recreation	reation No Commuter Yes Education Yes Local Access Yes								
Connectivity	Major – Minor	lajor – Minor								
Tourism Benefit	None	one								
Crash History Safety Benefit	Indirect – Serio	Indirect - Serious								
Route Options / Challenges	Midland Highw Midland Highw volumes of traf Church Street The route pres the Midland Hig schools. There width along Ch	ay is a traf fic. t ents a rela ghway and are also d	atively flat alteri d connects a nu constraints on c	native to umber of	adequate sep	aration is r	a disincentive not provided. nts along Churc			
What we heard from the community	"Formalised lin	k betweer	n Ted Wilson ar	ıd Bay Trail v	would be apprec	iated."				
Recommendation	Investigate foll	owing imp	lementation ar	nd monitorir	ng of western lin	k corridor				



NG10	Geelong - Sur	Seelong - Surf Coast Shire									
Extents	Barwon River T	rail (Belmo	ont) to Little Riv	er (LGA bou	ndary)		Approx. Length	10 km			
Objective	Provide a north	n-south co	nnection betw	een Geelon	g (south of Barw	von River T	rail) and Surf Co	oast LGA			
Function	Recreation	No	Commuter	Yes	Education	No	Local Access	No			
Connectivity	Major (Geelong	jor (Geelong – Barwon River Trail) – Major (Torquay)									
Tourism Benefit	Regional – Acti	gional – Active									
Crash History Safety Benefit	None	ne									
Route Options / Challenges	Surf Coast Hig Surf Coast Hig burgeoning gro Mt Duneed and Horseshoe Be This is a strate Geelong, its gr Currently, this upgradeable to Armstrong Cr The planning o Corridor is currexisting growth a provision for could be utilise alternatives ho implemented a	hway is a k powth area of on to Toro and Road gic connect owth areas oad has so formal sh eek Trans if the Arms rently unde n area fram a corridor.	of Armstrong O quay in the sou ctor road betw s and the Surf of oft shoulders t ared trail facilities. It Corridor trong Creek Trerway, with the erway, with the linitially this co ge of public trail	een Coast. hat may be ties. ransit making	adequate sepa	aration is r s subject t ence the t	o some flooding rail design				
What we heard from the community	Coast Highway	Torquay seems to have been forgotten. While there might be an on-road cycleway along the Surf Coast Highway, this is not attractive to cyclists or walkers. An alternative cycleway to Torquay via Barwon Heads-Ocean Grove from the Bellarine would be very nice!"									
Recommendation	Support imple	mentation	via Armstrong	Creek Trans	sit Corridor						



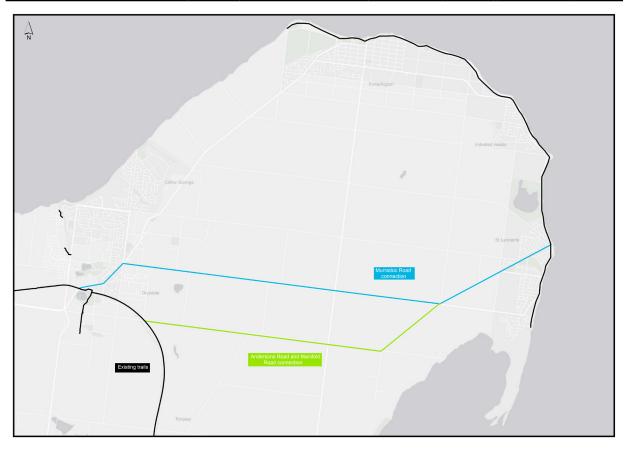
NG11	Geelong - Bar	won Head	ls								
Extents	Provide a cont Trail) and Barw		nnection betwe	een Geelong	(south of Barw	on River	Approx. Length	18 km			
Objective	Provide an off- access to Reed				Road between	Geelong a	nd Barwon Hea	ds and			
Function	Recreation	Yes	Commuter	Yes	Education	Yes	Local Access	Yes			
Connectivity	Major (Barwon	River Trail,	, Geelong) – Mi	nor (Barwon	Heads)						
Tourism Benefit	Regional – Pas	sive (recre	ational cyclists	s)							
Crash History Safety Benefit	None	lone									
Route Options / Challenges	Reedy Lakes / The Barwon Rivereational facurrent Barwon Barwon Heads Barwon Heads traffic corridor high volume traeach side shouparallel shared 13th Beach Ro This connection previously unsand recreation	ver Trail is cility and a n River Tra s Road Road is cu which acc affic. Howe use trail. coad on to Geelc erved area	a significant so in extension so il. urrently a narro commodates hi ever, soft shoul- the construction	w two-lane gh speed, ders on on of a	overlays which implementation and arterial roadwadequate sep	h would in on vay may be aration is i	poding and envi fluence design a e a disincentive not provided. nvironmental ovel of vegetation	and to users if verlays and			
What we heard from the community	without the life to/from work, a Geelong reside	-threateni and reduce ents safe a	ng hazards of o the ever incre access to the c	cycling on 80 asing proble oast, and if i	d Barwon Heads 0-100km/hr roa em of more cars nterconnected economic boos	ds. It woul on our ro paths cou	d allow safe cor ads. Equally, it w	nmuting ould allow			
Recommendation					vironmental inve entify preferred		s and consultati	on			



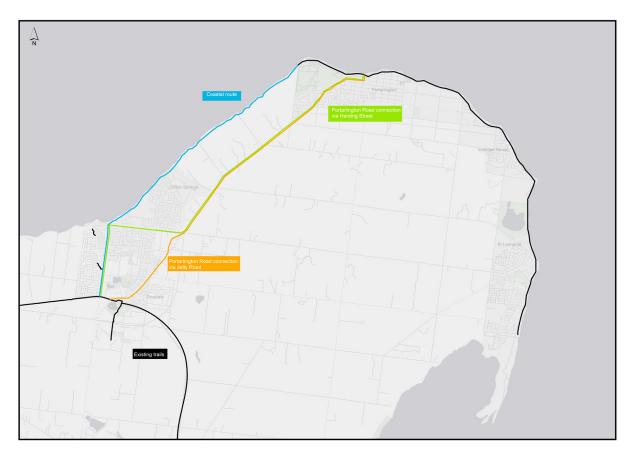
NG12	Barwon Heads	Barwon Heads - Surf Coast								
Extents	Barwon Heads	to Black R	oad Bike Path	(Blackrock F	Road)		Approx. Length	8 km		
Objective	Provide a conti Breamlea and 1		road connecti	ion between	Barwon Heads	and Surf C	Coast Shire (on t	.0		
Function	Recreation	eation Yes Commuter Yes Education No Local Access								
Connectivity	Minor – Minor	or – Minor								
Tourism Benefit	Regional - Activ	egional - Active								
Crash History Safety Benefit	Direct - Minor	rect - Minor								
Route Options / Challenges	Thirteenth Bea This route provattractions, as Barwon Heads also provides to Barwon Heads An alternative of and Bluestone direct than Thir travel alongside Road).	ides obvicit follows to and the Bine most do a Road - Boption is vischool Rotteenth Be	he coast line b ack Road Bike irect route. luestone Schr a Barwon Hear ad. This route ach Road, and	petween Path. It pool Road ds Road is less does	with limited so Implementation widening and vegetation.	cope for according to the comment of any transfer in the comment of the comment o	or is however na Iditional facilitie rails would requ npact to roadsic peeds may be a rail users if appr	s. ire le		
What we heard from the community	exists. It provid	es connec	ction between	Ocean Grov	nely dangerous re/Barwon Head vith the exception	s and the s	surf coast which			
Recommendation	Explore feasibi	ity of Thir	teenth Beach f	Road route v	ria environmenta	al investiga	ations and cons	ultation		



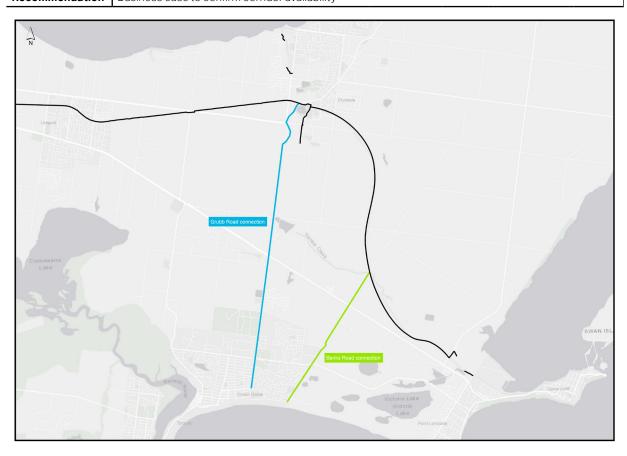
NG13	Drysdale - St	Leonards									
Extents	Bellarine Rail Ti	ail (Drysd	ale) to Bellarine	Foreshore	Trail (St Leonard	ds)	Approx. Length	12 km			
Objective	Provide a conti Bellarine	nuous sha	ared rail conne	ction betwe	en the existing r	network ar	nd townships in	the			
Function	Recreation	creation No Commuter No Education No Local Access									
Connectivity	Major (Bellarine	Major (Bellarine Rail Trail) – Minor (Bellarine Foreshore Trail)									
Tourism Benefit	Local – Passive	ocal – Passive (recreational cyclists)									
Crash History Safety Benefit	None	one									
Route Options / Challenges	Murradoc Roa This straight ea linking Drysdal Road. The exis relatively inforr Andersons Roa between the tw the Bellarine Roa localised acces local services a has the potent Murradoc Road volumes	ast-west of the with St Ling condition and in natural and and Market and and Institute and in the work and in the work and in the market and in the second a	eonards along tion of this road re anifold Road al road providin ips and conned is therefore cential commurbute. This route ore scenic and	Murradoc d is g linkage ets with offering nities and e option safer than			es identified at t				
What we heard from the community	roads between	"It would be great to see St Leonards connected to the rail trail so riders could get off the dangerous roads between St Leonards and Queenscliff and Drysdale to to Portarlington. That would be a fabulous way of opening up the Bellarine to walkers and riders."									
Recommendation	Investigate in c	oniunctio	n with St Leona	ards – Point	Lonsdale projec						



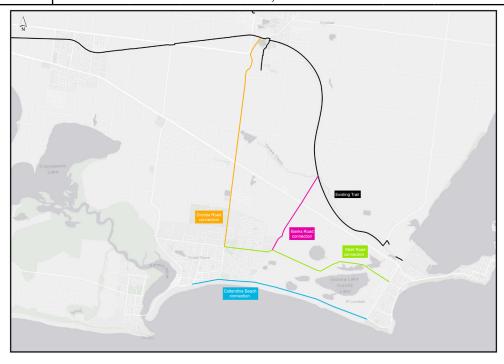
NG14	Drysdale - Po	rtarlingto	n							
Extents	Bellarine Rail Tr contributing to				Trail (Portarlingt	ton),	Approx. Length	9 km		
Objective	Provide a conn	ection bet	ween Drysdal	e and Portar	lington (via Clift	on Springs	s)			
Function	Recreation	Yes	Commuter	No	Education	No	Local Access	No		
Connectivity	Major (Portarlir	or (Portarlington) – Minor (Drysdale)								
Tourism Benefit	Regional – Acti	gional – Active								
Crash History Safety Benefit	None	ne								
Route Options / Challenges	Portarlington This route alon running south v Portarlington This link contin connection into Coastal Route This scenic coo of the peninsul trails in the vici	g Portarlir west from Road (via lues along o Drysdale astal trail a a would be	Portarlington that the portarlington less along the north econnecting to	to Drysdale et) Road for west tip	quality and sa a high volume No preliminary Land acquisiti link to an acce environmenta	fe pathway and high s y challenge on may be eptable mo I mitigation	uld need to be a y as Portarlington speed road. es identified at eneeded to buil odern standard, n may also be road as sensitive coa	on Road is this time. d this and equired		
What we heard from the community	facilities to brin	There is no safe connection from Portarlington to the Bellarine Rail Trail. The new ferry has great cilities to bring people and bikes from Melbourne but the roads out of Portarlington are a turn off all but the most fearless cyclists. Getting a safe connection to the rail train at Drysdale should be a jority."								
Recommendation	Business case	for impler	nentation on fo	reshore cor	ridor					



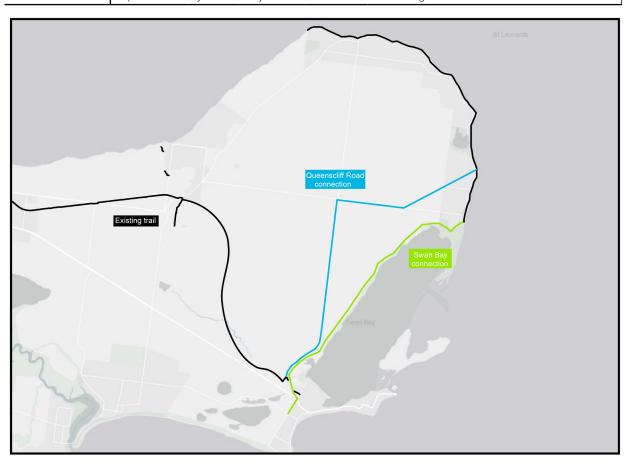
NG15	Drysdale – Oc	Drysdale – Ocean Grove									
Extents	Bellarine Rail Tr	ail (Drysd	ale) to Ocean G	rove			Approx. Length	11 km			
Objective	Provide a north	n-south co	onnection betw	een Drysda	le and Ocean Gr	rove					
Function	Recreation	creation Yes Commuter No Education Yes Local Access									
Connectivity	Major (Drysdale	ajor (Drysdale) – Major (Ocean Grove)									
Tourism Benefit	Regional – Acti	ve									
Crash History Safety Benefit	None	lone									
Route Options / Challenges	this concept al	ce that co ition of a s v turning c ong this c	uld potentially behared trail. The conflicts would corridor.	pe utilised presence support			es identified at				
	This route utilis for much of the lower level of n	connecti	on, hence requ			ed with G ['] r	oresent the mos rubb Road, how g asset.				
What we heard from the community	Drysdale/Porta	'At present there is no safe north-south access on the Bellarine. Yet there is great potential to link Drysdale/Portarlington in the north to Ocean Grove/Barwon Heads in the south. But please make it a safe cycleway, not part of the busy roads."									
Recommendation	Business case	to confirn	n corridor availa	ability							



NG16	Ocean Grove	Ocean Grove - Point Lonsdale									
Extents	Barwon River (0	Ocean Gro	ve) to Fellows	Rd (Point Lo	nsdale)		Approx. Length	8 km			
Objective	Provide a conti towards a Bella			on between	Point Lonsdale	and Ocea	ın Grove, contri	buting			
Function	Recreation	Yes	Commuter	No	Education	No	Local Access	No			
Connectivity	Major (Bellarine	e Rail Trail)	- Minor (Ocear	n Grove)							
Tourism Benefit	Regional - Pass	egional - Passive									
Crash History Safety Benefit	Indirect - Mino	direct - Minor									
Route Options / Challenges	Collendina Be Corridor repres providing signi heritage value Shell Road Shell Road is a accommodate Soft shoulders the constructio Grubb Road This route utilis for much of the lower level of n	sents a sci ficant envi for Geelor narrow tra s high spe on each s on of a par ses the, ex	ironmental and and the Bella and the Bella and the Bella affic corridor whed, high volumide should could lel shared us isting Bellarine on, hence requ	cultural arine. nich e traffic. Ild enable e trail.	investigation u this type of par to the area and Arterial roadwa adequate sepa	indertake th and act d will there ay may be aration is i	nt environment n by CoGG indi- civity would be of efore not be pur e a disincentive not provided. detour for a con and Point Lonso	cate that detrimental resued to users if			
	Banks Road This route utilises the, existing Bellarine Rail Trail for much of the connection, hence requiring a lower level of new network invetment. Route presents a detour for a context between Ocean Grove and Point L										
What we heard from the community	such a shame t	"Given the fantastic paths from Barwon Heads to Ocean Grove and Point Lonsdale to Queenscliff, it is such a shame that Ocean Grove and Point Lonsdale are not linked, avoiding the Shell Rd hill which is unsafe for children."									
Recommendation	Business case	to confirm	n corridor availa	ability							



NG17	St Leonards -	Point Lon	sdale							
Extents	Fellows Rd (Poi	int Lonsda	le) to Bellarine	Foreshore T	rail (St Leonard	s)	Approx. Length	15 km		
Objective	Provide a conti a Bellarine coa			ion between	Pt Lonsdale an	d St Leona	ards, contributir	ng towards		
Function	Recreation	ation Yes Commuter No Education No Local Access No								
Connectivity	Major (Bellarine	ajor (Bellarine Rail Trail) - Major (Bellarine Foreshore Trail)								
Tourism Benefit	Regional - Pass	egional - Passive								
Crash History Safety Benefit	None	ne								
Route Options / Challenges	Queenscliff Ro Queenscliff Ro traffic corridor high volume tra Swan Bay (via The alternative foreshore, This advantages fro attraction pers alternative to N	ad is curre which acc affic. Fellows F coption is s route has m a recre pective. It	ently a narrow tommodates his considerable stone and tourisalso provides	igh speed, ay sm	There are how sensitivities as and construct	aration is r rever cons ssociated tion costs	e a disincentive to not provided. siderable envrio with its implem associated with cost prohibitive.	nmental entation		
What we heard from the community	recreational rid this RAMSAR li	lers from t sted wetla om Portar	his very dange and more acces ington and be	erous road. T ssible to the a valuable er	St Leonards to this new trail bei public. It would nhancement for end.'	ng along S effectively	Sway Bay would y be an extensic	make on of the		
Recommendation	Explore feasibi	lity of Swa	n Bay Route vi	a environme	ntal investigatio	ons and co	nsultation			



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Trail gaps

For each of the trail gap improvements, a range of information has been summarised. This information informed the multi-criteria assessment process and relates to the proposed use of the trail and the benefits it will provide for its users.

- Extent: description of the full extents of the trail
- Objective: underlying objective and purpose of the trail
- Function: function the trail will provide for (recreation, commuter, education and local access).
- Connectivity: Measure of the importance of the trails or destinations the proposed trail will connect
- Tourism Benefit: benefits to tourism that the trail will generate
- Safety Benefit: safety benefits across the network that the trail will generate
- Route: A discussion of the proposed route, its challenges associated with its implementation
- Recommendation: Proposed next steps towards implementation
- What we heard from the community: A snapshot of the feedback received during the community consultation relating to the trail gap

The following tables summarise all trail gap improvements

TG1	Hovells Creek	Trail - La	ra								
Extents	Station Lake Ro	oad to Hov	vells Creek				Approx. Length	750 m			
Objective	McClelland Ave	on off-street connection between Lara and the Hovells Creek Trail, which provides an alternative to the docted and continuation of paths along Hovells Creek, and create a cop" trail around Lara.									
Function	Recreation	eation Yes Commuter Yes Education No Local Access									
Connectivity	Major (Hovells	ajor (Hovells Creek Trail) – Minor (Station Lake Road)									
Tourism Benefit	None	one									
Crash History Safety Benefit	None	None									
Route / Challenges	The route woul alignment, and Station Lake Roon both the eastered, the west additional crossadvantage of the with the existing	link to the bad. Whils stern and v tern alignn sing of Ho ne easterr	existing trails t a viable corrion western sides on nent would requells Creek. Ar a alignment is it	north of dor exists of the juire an additional ts linking	A key challeng implementation railway line.		ted with the oute is the cross	sing of the			
What we heard from the community	"Extend path u crossing."	nder railwa	ay towards Sta	tion Lake Ro	ad alongside H	ovels cree	k to avoid railwa	ау			
Recommendation	Explore feasibi	lity via env	vironmental inv	estigations :	and consultatio	n					

TG2	Bay Trail - Nor	Bay Trail - North Shore Station								
Extents	Bay Trail to Nor	y Trail to North Shore Station forecourt on Station Street Approx. Length 200 m								
Objective	Provide an off-	rovide an off-street connection between the Bay Trail and North Shore Railway Station.								
Function	Recreation	ation No Commuter Yes Education No Local Yes								
Connectivity	Major (Hovells	ajor (Hovells Creek Trail) - Major (North Shore Railway Station)								
Tourism Benefit	None	one								
Crash History Safety Benefit	None	Vone								
Route / Challenges	and Corio Quay crossing is pro Esplanade leve other users are	In the current Bay Trail runs along The Esplanade and Corio Quay Road corridor. A pedestrian only prossing is provided on the northern side of the esplanade level crossing, however cyclists and other users are required to navigate route onto and, amongst high proportions of heavy vehicles.								
What we heard from the community	or Train section road is scary	To get to North Shore road from the bay trail using the path provided you have to cross twelve Vehicle r Train sections. This is a good way to stop people riding or walking Crossing on the other side bad is scary This spot badly needs an path on the South east side linking North Shore road to the splanade and bay trail."								
Recommendation	Implement via	widening t	o existing foot	path						

TG3	Cowies Creek	Trail - Ba	y Trail						
Extents	Cowies Creek	Trail (Princ	es Freeway) to	Bay Trail (Co	orio Quay Road)		Approx. Length	500 m	
Objective	continuous off Addressing this	ne Cowies Creek Trail terminates in close proximity to the Bay Trail, which could otherwise provide a portinuous off-road link between Bay Trail and Ted Wilson Trail (Ring Road) ddressing this gap will contribute towards the integration of the Cowies Creek and Tom McKean Trail ands with Bay Trail to create a continuous path (when combined with TG3 and TG9)							
Function	Recreation	eation Yes Commuter Yes Education No Local Yes Access							
Connectivity	Major (Cowies	Major (Cowies Creek Trail) – Major (Bay Trail)							
Tourism Benefit	None								
Crash History Safety Benefit	Indirect - Minor	r							
Route / Challenges	Creek. The major cons crossing of the	The route would follow the alignment of Cowies Creek. The major constraints to this route, are the crossing of the Princes Freeway corridor and corridor availability. Any form of level crossing would not be feasible due to the volume of traffic, and grade separation (underpass) may proof cost prohibitive. Similarly, the corridor would be subject to negotiation of the land owner of this site.							
What we heard from the community		inking these two would be a huge step forward in linking the bike network. Need a safe under street ass crossing for the highway too."							
Recommendation	Consult with la	ndowners	to confirm cor	ridor availab	oility				

TG4	Railway / Prince	Railway / Princes Freeway crossing								
Extents	Bay Trail (Corio	Trail (Corio Quay Road) – Tom McKean Trail (Duro Street) Approx. Length								
Objective	continuous link Addressing this	The Tom McKean Trail terminates in close proximity to the Bay Trail, which could otherwise provide a continuous link addressing this gap will contribute towards the integration of the Cowies Creek and Tom McKean Trail and with Hovells Creek Trail to create a continuous path (when combined with TG5 and TG9).								
Function	Recreation	reation No Commuter Yes Education No Local Yes								
Connectivity	Major (Bay Trail	ajor (Bay Trail) – Major (Tom McKean Trail)								
Tourism Benefit	None	None								
Crash History Safety Benefit	Indirect - Minor	Indirect - Minor								
Route / Challenges	The only existin Princes Freewa which is narrow which can acce the only viable required.	ay is via th v and rest ess the ro	e freeway overpricts the types oute. This corrido	pass, of users or remains	via the Separa and Corio Qua level crossing constraint for	ition Stree by Road rar at Separat the route, I	is currently pro t ramps (on the nps (to the east tion Street pres however ample ation of a dedic	west) t). The ents a width		
What we heard from the community	along the water create a ~20km west along Ton	Yes, please connect the Northern end of the Tom McKean Trail from Duoro Street across to the path along the waterfront. Needs a short section of path as well as some improved signage. This would then breate a ~20km loop from the city, north beyond St Helens Beach to the industrial area and then south west along Tom McKean path all the way to the Barwon before heading around the Barwon River to south Geelong and then back into the city via Swanston St."								
Recommendation	Business case	for localis	sed widening of	freeway ove	erpass paths					

TG5	Tom McKean 1	Tom McKean Trail - Cowies Creek Trail									
Extents	Tom McKean T	rail termin	us (Duro Stree	t) to Cowie C	Creek		Approx. Length	1 km			
Objective	Addressing this	The Tom McKean and Cowies Creek Trails terminate in close proximity to each other. Addressing this gap will contribute towards the integration of the Cowies Creek and Tom McKean Trail ends with Hovells Creek Trail to create a continuous path (when combined with TG3 and TG5)									
Function	Recreation	reation No Commuter Yes Education No Local Access									
Connectivity	Major (Tom Mc	ajor (Tom McKean Trail) – Major (Cowies Creek Trail)									
Tourism Benefit	None										
Crash History Safety Benefit	Indirect - Minor	ndirect - Minor									
Route / Challenges	Edols Street is improvement. Whilst there is outside the roafor an on-road reserve.	limited sco	ppe to provide , opportunities	a trail s do exist	with a high pro could act as a separation or The level cros a constraint fo	portion of deterrent delineation sing at Sep or the route	ough an industri heavy vehciles, to users if a leve n is not provided paration Street p e, however ampl ation of a dedica	which I of I. Dresents e width			
What we heard from the community	much like to be the city. This is and I know this	Join up Duoro St along Edols Street to the Cowie Creek Trail. I live in West Norlane and would very nuch like to be able to cycle to work in the city, but there's a lack of trails joining that part of Norlane to he city. This is an issue because I see a lot of cyclists in the area (several per day go past my house), and I know this would be a useful trail for many people. Norlane needs more healthy infrastructure. The oads that surround Norlane are all busy & it's not safe to cycle on them."									
Recommendation	Implement pati	n via line m	narking to exist	ting road cor	ridor						

TG6	Bay Trail at Rip	Bay Trail at Rippleside								
Extents	St Helens Boat	Helens Boat Ramp to Rippleside Park Approx. Length 750 m								
Objective	shared trail fro	ddress the existing gap in the Bay Trail, which if addressed would result in an uninterrupted coastal nared trail from Mackey Street in North Geelong to central Geelong and provide an off-road ternative to the Melbourne Road.								
Function	Recreation	eation Yes Commuter Yes Education No Local Yes								
Connectivity	Major Gap (Bay	rTrail)								
Tourism Benefit	Local – Passive	e (recreatio	onal users)							
Crash History Safety Benefit	Indirect - Minor	direct - Minor								
Route / Challenges	Connect existing short sections. Delineating a displayment of the Helps boat range of the Helps boat r	of trail. edicated p mp car par k. Prelimin ved via a re only line m edicated p ar park, linl k. Prelimin	bath through the k, linking to the ary reviews sure configuration harking and mire bath through the king the gap in ary reviews sure.	ne St e Bob ggest this of the car nor civil ne Balmoral the Bob	No preliminary	y challeng	es identified at t	his time.		
What we heard from the community	"There is no for	rmal path t	hrough this are	ea - it's a car	park without a	walking or	cycling connec	tion."		
Recommendation	Implement pati	h via line m	narking							

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TG7	Ted Wilson Tra	ed Wilson Trail (Fyansford)								
Extents	Church Street	arch Street to Barwon River Approx. Length 3 km								
Objective	Address the ex shared trail from				ch if addressed	would res	sult in an uninter	rupted		
Function	Recreation	eation No Commuter Yes Education No Local Access								
Connectivity	Major Gap (Tec	l Wilson Tr	ail)							
Tourism Benefit	Local – Passive	e (recreation	onal users)							
Crash History Safety Benefit	Indirect - Mino	direct - Minor								
Route / Challenges	Connect existing sections of trail a trail is required Barwon River Towould follow the on its eastern sused via Fyans Barwon River. A trail is also recrossing the Barwilson Trail.	il. ed from Ch rail at the le alignme side. Existi ford along	nurch Street to Hamilton Highv nt of the Moora ng trails would the northern s m Baum's Weir	the way. This abool River then be side of the	the first section which will required the crossing of	on of trail for uire carefu of the Barv s it may be	rades, particula rom Church Str I design consid won River must e cost prohibitiv	eet, eration. also be		
What we heard from the community		While it is steep, the continuation of this trail around the ringroad would be excellent. Signage could dicate that some steep sections may be best walked."								
Recommendation	Business case	to confirn	n corridor availa	ability		•				

TG8	Deakin Univer	Deakin University - Waurn Ponds Station								
Extents	Alfred Deakin D Station)	red Deakin Drive (Deakin University) – Sugargum Drive (Waurn Ponds ation) Approx. Length								
Objective	Provide an unir Station.	rovide an uninterrupted off-street connection between Deakin University and Waurn Ponds Railway tation.								
Function	Recreation	eation No Commuter Yes Education Yes Local No Access								
Connectivity	Major (Deakin U	Jniversity) – Waurn Pond	s Station (M	lajor)					
Tourism Benefit	None									
Crash History Safety Benefit	None	one								
Route / Challenges	Route is Colac Road/Sugargur Provide an off-I Road facilities, pedestrian pati shared trail on i A new trail alon would provide a Ghazeepore Ro Road – Sugargu	m Drive road alter potentiall ns, linking the south gside Prir an off-roa pad, befor	native to the Pig y via widening t Deakin Univers ern side of Cola nces Freeway c d alternative to	gdons the existing sity to the ac Road. orridor	create the sha and VicRoads trail. There is l	ared altern regarding imited cor road facili	ith Deakin Univo ative to Pigdon the Princes Fre ridor width to po ties along the F lor.	s Drive eeway rovide		
What we heard from the community	"Bike path on e off road link be				onds bike path a kin University."	nd Hams r	d. Would also p	rovide an		
Recommendation	Business case	to confirn	n corridor availa	ability			_			

TG9	Waurn Ponds	Vaurn Ponds Station southern access							
Extents	Waurn Ponds S	urn Ponds Station to Baanip Boulevard shared trail Approx. Length 200 m							
Objective		ovide direct access to Waurn Ponds Station from the trail alongside Baanip Boulevard, to the south the railway line. This would service the residential developments to the south and east.							
Function	Recreation	tion No Commuter Yes Education No Local Yes							
Connectivity	Major (Waurn P	ajor (Waurn Ponds Station) – Minor (Baanip Boulevard)							
Tourism Benefit	None	one							
Crash History Safety Benefit	Indirect - Minor	ndirect - Minor							
Route / Challenges	be integrated ir Upgrade, in whi overpass and e Waurn Ponds S	The exact location of the railway crossing should be integrated into the planned Geelong Line Upgrade, in which a second platform, pedestrian overpass and extra car parking will be provided at Vaurn Ponds Station. There may be opportunities to integrate this trail with the planned overpass.							
What we heard from the community	"Shared path/b Station."	nared path/bridge over railway line to create a direct pedestrian/bike con-nection with Waurn Ponds							
Recommendation	Engage with Ge	eelong Lir	ne Upgrade proj	ect to ident	ify preferred rou	ıte			

TG10	Barwon Heads	arwon Heads - Surf Life Saving Club								
Extents	Barwon Heads Club.	won Heads (Golf Links Road) - Barwon Heads 13th Beach Surf Life Saving b. Approx. Length								
Objective		Provide continuation of existing trail, which run from Barwon Heads to Golf Links Road, to Barwon Heads 13th Beach Surf Life Saving Club.								
Function	Recreation	eation Yes Commuter No Education No Local Access								
Connectivity	Minor - Minor	inor - Minor								
Tourism Benefit	Regional - Acti	egional - Active								
Crash History Safety Benefit	Direct - Serious	Direct - Serious								
Route / Challenges	Connection wo Beach Road, al side of the road southern route vehicles, whilst users to naviga parks.	ong either d corridor. is comple the north	the northern of An advantage ete separation t ern route woul	or southern of the from d require		e existing (ails would requ corridor and re tation.			
What we heard from the community	car park compl walk and allows in Barwon Head	would be wonderful to have the missing path between 13th Beach SLSC and the Stephens Parade ar park completed. To walk/bike from 13th Beach Estate to Barwon Heads is great exercise, a lovely alk and allows children to get into 'town' without the need to be driven. All of which reduces the cars Barwon Heads. Currently, the short missing path means joining the narrow 13th Beach Road - busy ith the cars often going faster than they should be - which is an accident about to happen."								
Recommendation	Implement trail	in partne	rship with Barw	on Coast Co	ommittee of Ma	nagement				

Trail deficiencies

The responses to the trail deficiencies will be rectification works, returning the affected trail to a condition consistent with the City's Shared Path Management Plan. Trail deficiency improvement works are expected to be funded via the City's ongoing asset maintenance regime. These deficiencies have been identified, by trail, and high level cost estimates for improvements have been prepared and summarised in the table below.

ID	Trail	Total	Trail Wid	Ith Deficiencies	Trail Surf	ace Deficiencies	Total Cost
ID	IIaii	Length	Length	Cost	Length	Cost	Total Cost
TD1	Bellarine Bayside Trail	15.09	0	-	0	-	-
TD2	Barwon River Trail	19.74	6.33	\$800,000	2.76	\$700,000	\$1,500,000
TD3	Bay Trail	11.22	3.92	\$500,000	4.49	\$1,200,000	\$1,700,000
TD4	Bellarine Rail Trail	30.53	0.38	\$30,000	1.01	\$200,000	\$230,000
TD5	Cowies Creek Trail	5.99	4.00	\$500,000	3.61	\$900,000	\$1,400,000
TD6	Hovells Creek Trail	8.84	6.57	\$900,000	6.80	\$1,800,000	\$2,700,000
TD7	Ted Wilson Trail	11.31	0.10	\$15,000	0.07	\$20,000	\$35,000
TD8	Tom McKean Trail	5.21	4.54	\$600,000	3.71	\$1,000,000	\$1,600,000
TD9	Waurn Ponds Trail	6.17	3.82	\$300,000	4.59	\$700,000	\$1,000,000

No data available for Bellarine Bayside Trail. All lengths in kilometres

The recommended improvements associated with the amenity deficiencies are the simple provision of infrastructure in the locations at which it is required, with the exception of the general, network wide improvements.

ID	Amenity Deficiency	Zone
AM1	Network wide wayfinding strategy, including localised signage to amenities (toilets, drinking fountains etc.)	General
AM2	User education program encouraging safe use of trail network (focusing on Waurn Ponds Creek, Barwon River and Bellarine Rail trails).	General
АМЗ	Bench seats (Hovells Creek, Lara)	Northern
AM4	Parking (Serendip Sanctuary, Lara)	Northern
AM5	Toilets (Haines Reserve, Hamyln Heights)	Central
AM6	Dog bins and bags (Haines Reserve, Hamlyn Heights; Barwon River at Queens Park Road, Newtown)	Central
AM7	Secure parking (Geelong CBD)	Central
AM8	End of trip facilities (Geelong CBD)	Central
AM9	Drinking fountain (Balyang Sanctuary, Newtown)	Central
AM10	Dog bins and bags (Queens Park, Highton)	Southern
AM11	Drinking fountain (Barwon Valley Park at Gundog Lane, Belmont; Chenin Mews Reserve, Waurn Ponds)	Southern
AM12	Playground and BBQ (Barwon Valley Park at Gundog Lane, Belmont)	Southern
AM13	Toilets (Barwon River at Baum's Weir, Highton; Geelong Baseball Centre, Waurn Ponds)	Southern
AM14	Improve existing toilets (South Barwon Reserve, Belmont)	Southern
AM15	Bike repair station (along Bellarine Rail Trail)	Eastern
AM16	Toilets (along Bellarine Rail Trail)	Eastern
AM17	Bench seats (Lake Lorne, Drysdale)	Eastern
AM18	Playground and BBQ (Lake Lorne, Drysdale)	Eastern



08 PRIORITISATION

To inform investment in the shared trails network, a multi-criteria assessment (MCA) was applied, the outcome of which is the prioritisation of each identified improvement.

In response to the principles presented to the community during the consultation process, a series of criteria were developed for prioritising network improvements. These criteria are summarised below.

Criteria	Community Consultation Principle	Definition
Catchment	Encouraging people to be active	Measure of residential catchment density in the immediate surrounds of the route. Based on existing (2016) and future (2051) densities.
Function	Connectivity to destinations;; Suitable for all ages	Consideration of the function (or multiple functions) that the route will serve, and the origins and destinations it will link. The functions to be considered include Recreation, Commuter, Education and Local Access functions
Connectivity	Connectivity to destinations	Measure of the level of connectivity of the route between major, minor and local paths
Cost	Cost to construct	High level measure of cost of implementation
Tourism benefit	Tourism opportunities	Measure of the benefit the path will provide to tourism both passive (recreational and non-economic) and active (commercial and economic)
Crash history safety benefit	Safe for everyone	Consideration of improvements on a route with an existing crash history
Health benefit	Encouraging people to be active	Consideration of improvements to local areas which have low levels of physical activity

The five-point scoring, and relative weighting (informed by the community consultation feedback) applied to each criteria is summarised below.

This framework was applied to each of the network gaps, trail gaps and trail deficiencies.

Criteria	Weighting	Score	Definition			
Catchment		0	Surrounding population density of <500 per sq. km			
		1	Surrounding population density of 500 – 1,000			
	2	2	Surrounding population density of 1,000 – 2,000			
		3	Surrounding population density of 2,000 – 4,000			
		4	Surrounding population density of >4,000			
		0	Route provides for the none of the defined functions			
		1	Route provides for the one of the defined functions			
Function	3	2	Route provides for the two of the defined functions			
		3	Route provides for the three of the defined functions			
		4	Route provides for the four of the defined functions			
		0	Provides no connectivity between existing paths or destinations			
		1	Provides connectivity between two existing local paths (or minor destinations)			
Connectivity	3	2	Provides connectivity between a major path (or destination) and a local path (or minor destination)			
		3	Provides connectivity between two major paths (or major destinations)			
		4	Addresses connectivity gap in existing major paths			
	2	0	No tourism benefit			
		1	Localised catchment – passive tourism (recreational)			
Tourism benefit		2	Regional catchment – passive tourism (recreational)			
		3	Localised catchment – active tourism (commercial)			
		4	Regional catchment – active tourism (commercial)			
	4	0	No safety benefit			
		1	Indirect benefits to route with recorded minor injuries			
Crash History Safety Benefit		2	Direct benefits to route with recorded minor injuries			
		3	Indirect benefits to route with recorded serious injuries or deaths			
		4	Direct benefits to route with recorded serious injuries or deaths			
	2	0	>50% of local area meet recommended physical activity			
		1	45% – 50% of local area meet recommended physical activity			
Health benefit		2	40% - 45% of local area meet recommended physical activity			
		3	35% - 40% of local area meet recommended physical activity			
		4	<35% of local area meet recommended physical activity			
	1	3	Land aquisition risk			
Cost		2	Cultural and heritage risk			
COSI		1	Environmental risk			
		1	Flooding risk			

10 CONCLUSION & RECOMMENDATIONS

For the purpose of classification, three tiers of network improvements have been defined. These classifications relate to the scale, and therefore the funding stream associated with implementing improvements:

- Trail deficiencies: Deficiencies in the existing network which may include issues with corridor safety, surface condition or geometry
- Trail gaps: Relatively minor gaps in existing trail corridors
- Network gaps: Gaps between corridors and key attractions which require the planning and development of new shared trails.

Typically, trail deficiencies are viewed as short-term projects, trail gaps as medium term and network gaps as long-term.

Each of the classifications require prioritisation, as their implementation is subject to project development and capital works funding submissions. In response to this, the masterplan has set out an ultimate vision for the network, and prioritised the corridors which will provide most benefit to the community.

A final key output of this masterplan is the Multi Criteria Assessment tool, which with regular updates, will assist in guiding the continued allocation of funding towards upgrades to the shared trail network.

Network gap prioritisation

The outcomes of the network gap prioritisation process are summarised below.

Rank	ID	Network Gap	Zone	MCA Score	Recommendations	
1	NG07	Eastern suburbs north- south connectivity	Central	48.0	Business case for implementation	
2	NG09	Ted Wilson Trail - Bayside Trail	Central	40.0	Investigate following implementation and monitoring of western link corridor	
3	NG15	Drysdale - Ocean Grove	Eastern	36.9	Business case to confirm corridor availability	
4	NG14	Drysdale - Portarlington	Eastern	36.5	Business case for implementation on foreshore corridor	
5	NG13	Drysale - St Leonards	Eastern	35.4	Investigate in conjunction with St Leonards – Point Lonsdale project	
6	NG12	Barwon Heads - Surf Coast	Eastern	34.0	Explore feasibility of Thirteenth Beach Road route via environmental investigations and consultation	
7	NG16	Ocean Grove - Point Lonsdale	Eastern	33.6	Business case to confirm corridor availability	
8	NG03	You Yangs - Railway Station	Northern	30.8	Engage with Parks Victoria masterplanning process to identify preferred route	
9	NG04	Northern Suburbs east- west connectivity	Northern	30.8	Business case to confirm corridor availability	
10	NG11	Geelong - Barwon Heads	Eastern	30.4	Explore feasibility of Lake Connewarre route via environmental investigations and consultation. Engage with Sparrowvale Masterplan process to identify preferred route	
11	NG10	Geelong - Surf Coast	Southern	26.9	Support implementation via Armstrong Creek Transit Corridor	
12	NG17	St Leonards - Point Lonsdale	Eastern	26.8	Explore feasibility of Swan Bay Route via environmental investigations and consultation	
13	NG05	Lara east-west connectivity	Northern	25.9	Business case to confirm corridor availability, aligned with development milestones at Lara West	
14	NG06	Ted Wilson Trail - Lara	Northern	24.0	Embed within growth area transport infrastructure strategy	
15	NG01	Ted Wilson Trail - NWGGA	Northern	22.3	Embed within growth area transport infrastructure strategy	
16	NG02	Geelong - Melbourne	Northern	15.2	Consult with City of Wyndham, regarding long term aspirations for trail	
17	NG08	Geelong - Golden Plains	Central	14.7	Consult with Golden Plains Shire, regarding long term aspirations for trail	

Trail gap prioritisation

The outcomes of the trail gap prioritisation process are summarised below.

Rank	ID	Trail Gap	Zone	MCA Score	Recommendations	
1	TG10	Barwon Heads - Surf Life Saving Club	Eastern	37.0	Implement trail in partnership with Barwon Coast Committee of Management	
2	TG6	Bay Trail at Rippleside	Central	31.4	Implement path via line marking	
3	TG7	Ted Wilson Trail (Fyansford)	Central	28.9	Business case to confirm corridor availability	
4	TG4	Railway / Princes Highway crossing	Central	23.0	Business case to confirm corridor availability	
5	TG3	Cowies Creek Trail - Bay Trail	Northern	22.9	Consult with landowners to confirm corridor availability	
6	TG5	Tom McKean Trail - Cowies Creek Trail	Central	22.9	Implement path via line marking to existing road corridor	
7	TG8	Deakin University - Waurn Ponds Station	Southern	22.0	Business case to confirm corridor availability	
8	TG2	Bay Trail - North Shore Station	Northern	17.0	Implement via widening to existing footpath	
9	TG9	Waurn Ponds Station southern access	Southern	16.9	Engage with Geelong Line Upgrade project to identify preferred route	
10	TG1	Hovells Creek Trail - Lara	Northern	16.9	Explore feasibility via environmental investigations and consultation	

Trail deficiency prioritisation

Trail deficiency improvement works are expected to be funded via the City's ongoing asset maintenance regime. These have been identified and prioritised as summarised below.

Rank	ID	Trail	Zone	MCA Score	Recommendations
1	TD03	Bay Trail	Central	17.9	
2	TD08	Tom McKean Trail	Central	17.3	
3	TD05	Cowies Creek Trail	Northern	16.8	
4	TD06	Hovells Creek Trail	Northern	15.0	Rectification works in accordance with the
5	TD09	Waurn Ponds Trail	Southern	14.5	City's Shared Path Management Plan.
6	TD04	Bellarine Rail Trail	Eastern	14.2	
7	TD07	Ted Wilson Trail	Central	12.2	
8	TD01	Bellarine Bayside Trail	Eastern	12.0	
9	TD02	Barwon River Trail	Southern	11.9	

No trail deficiencies identified for Bellarine Bayside Trail

In addition, a number of amenity related deficiencies were identified and captured, which can be addressed as short-term projects, in conjunction with trail improvement works.

Rank	ID	Amenity Deficiency	Zone	MCA Score	Recommendations
1	AM2	User education program	General	20.3	Delivery of program
2	AM1	Wayfinding strategy	General	18.5	Preparation of strategy
3	AM8	End of trip facilities (Geelong CBD)	Central	13.5	
4	AM15	Bike repair station (along Bellarine Rail Trail)	Eastern	12.9	
5	AM18	Playground and BBQ (Lake Lorne, Drysdale)	Eastern	12.5	
6	AM7	Secure parking (Geelong CBD)	Central	10.6	
7	AM12	Playground and BBQ (Barwon Valley Park at Gundog Lane, Belmont)	Southern	9.8	Implement amenity improvements
8	AM6	Dog bins and bags (Haines Reserve, Hamlyn Heights; Barwon River at Queens Park Road, Newtown)	Central	9.7	
9	AM16	Toilets (along Bellarine Rail Trail)	Eastern	9.7	
10	АМЗ	Bench seats (Hovells Creek, Lara)	Northern	9.6	
11	AM9	Drinking fountain (Balyang Sanctuary, Newtown)	Central	9.6	
12	AM5	Toilets (Haines Reserve, Hamyln Heights)	Central	9.4	
13	AM4	Parking (Serendip Sanctuary, Lara)	Northern	8.3	
14	AM13	Toilets (Barwon River at Baum's Weir, Highton; Geelong Baseball Centre, Waurn Ponds)	Southern	8.1	
15	AM10	Dog bins and bags (Queens Park, Highton)	Southern	7.2	
16	AM14	Improve existing toilets (South Barwon Reserve, Belmont)	Southern	5.8	
17	AM17	Bench seats (Lake Lorne, Drysdale)	Eastern	5.6	
18	AM11	Drinking fountain (Barwon Valley Park at Gundog Lane, Belmont; Chenin Mews Reserve, Waurn Ponds)	Southern	5.5	

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