



# Terrigal Boardwalk

## **CONSULTATION REPORT**

April 2019



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Version 2

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# Executive Summary

Central Coast Council is proposing to build a boardwalk from Terrigal Beach promenade to The Haven. The concept designs, environmental assessment and geotechnical report were placed on public exhibition from 12 November to 14 December 2018.

The purpose of consultation for the Terrigal Boardwalk was to:

- Encourage the community and stakeholders to provide feedback on the concept design and supporting assessments
- Communicate the features and need for the proposal
- Provide the community an opportunity to speak directly with project staff
- Hear from stakeholders and the community to identify issues

## Consultation methods

Two methods were used to collect feedback from the community and stakeholders.

**Method 1:** Written submissions All residents and stakeholders could make a written submission via email, the online submission form on [yourvoiceourcoast.com](http://yourvoiceourcoast.com), hand written submission forms provided at information sessions, or via post.

**Method 2:** Random face-to-face surveys Interviewers from an independent market researcher (Micromex) approached 441 people randomly in public places. The purpose of these surveys was to understand sentiment of residents from both Terrigal and other areas on the Central Coast. This method aimed to eliminate self-selection bias (where an individual chooses to participate in the consultation and may lead to a biased sample).

A copy of the survey questions can be found in [Appendix A](#).

Surveys were conducted at:

- Terrigal Beach Markets
- Terrigal Lions Club Car boot Sale
- Terrigal CBD
- Gosford CBD
- Greedy Guts Market (Terrigal)
- The Entrance Markets

## What we heard

### Consultation method 1: Written submissions

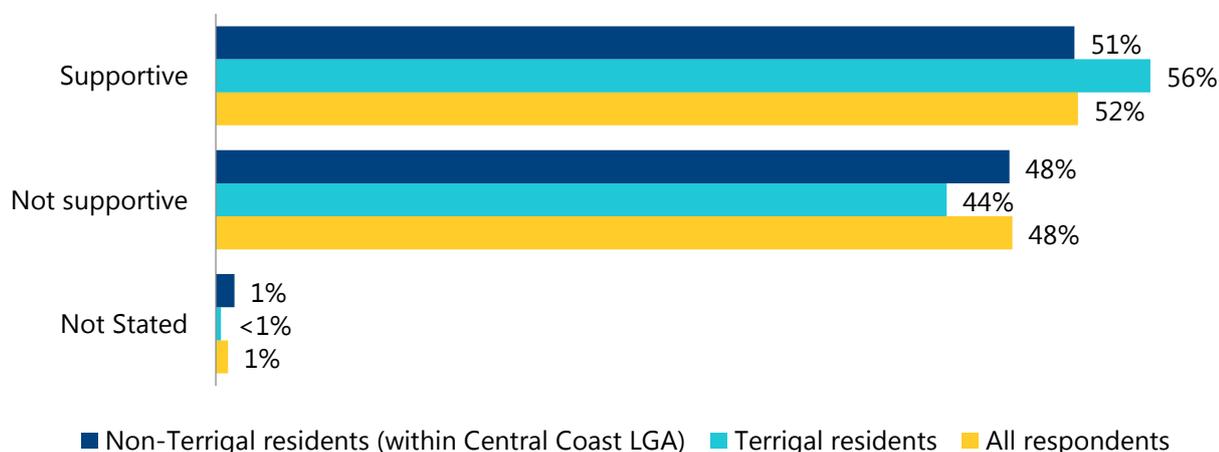
A total of **688** written submissions were received during the consultation period from 12 November to 14 December 2018.

Of the 688 individuals who made a submission:

- **52%** (355) expressed **general support** for the proposal
- **48%** (328) expressed a **lack of support** for the proposal
- **Less than 1%** (3) did not express clear sentiment towards the proposal

(Note: these percentages have been rounded)

Figure 1. **Level of support based on written submissions – Comparison between place of residence** (Note: percentages have been rounded)



### Consultation method 2: Random face-to-face surveys

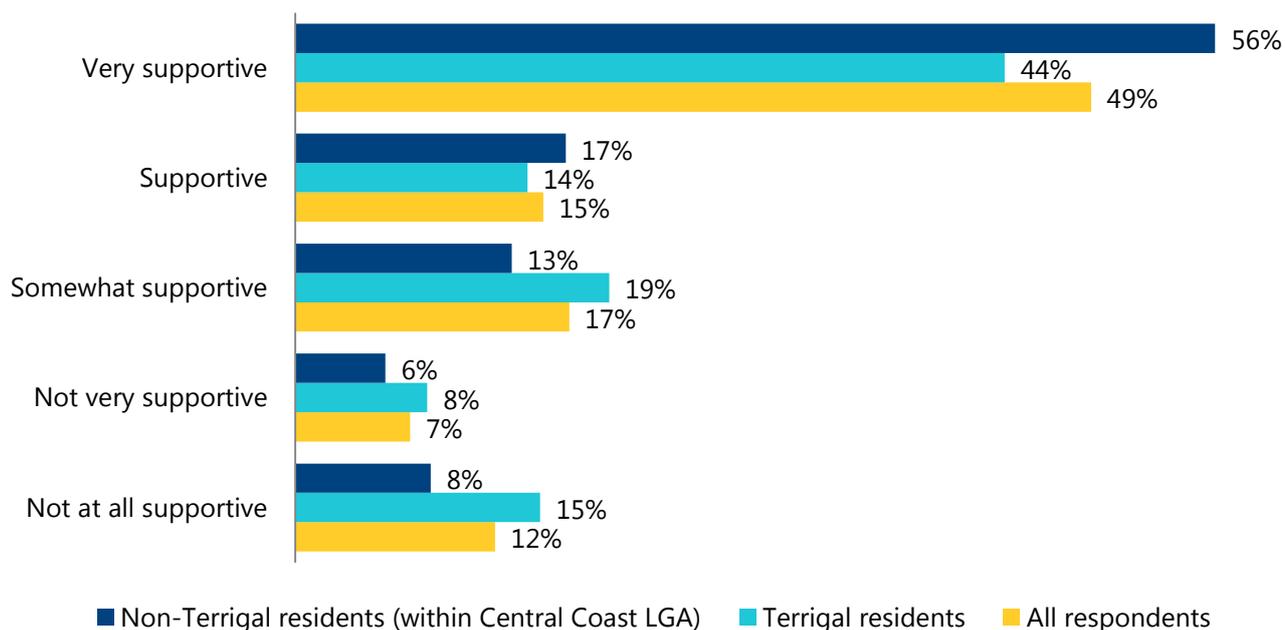
In addition to written submissions, **441** random face-to-face surveys were conducted over a week between Saturday 2 and Saturday 9 February 2019.

Before being asked questions about the boardwalk, participants were shown concept drawings, advised of the estimated cost, and where the funding for the boardwalk was being sourced.

Of the 441 individuals who took part in the surveys:

- **49%** were **very supportive** of the proposal
- **15%** were **supportive** of the proposal
- **17%** were **somewhat supportive** of the proposal
- **7%** were **not very supportive** of the proposal
- **12%** were **not at all supportive** of the proposal

Figure 2. **Level of support based on random face-to-face surveys – Comparison between place of residence**



### Consultation outcomes

The overall majority of submissions and survey responses expressed support for the proposal.

Based on feedback provided through both methods, the **key reasons to support** the proposal were:

- Better access and recreation opportunities
- Tourism and economic benefits
- Favorable design
- Positive visual impact (eg complements the area)

Based on feedback provided through both methods, the **key reasons not to support** the proposal were:

- High cost of the project
- Negative visual impact
- Lack of need (eg there is already a path)
- Impact on current use of the rock platform / Haven Beach
- Ecological impact / litter and pollution

Council has provided response to the themes and issues raised during the consultation process within this report.

### Next steps

The next steps for Terrigal Boardwalk are as follows.

- A report to Council will be prepared recommending the boardwalk proceed and the allocation of \$2.98 million of Council funds to match State Government funding.
- The feedback received from the community will be incorporated into the design where feasible during detailed design phase.
- The final design will be shared with the State Government as the grant authority and published on [www.yourvoiceourcoast.com](http://www.yourvoiceourcoast.com)
- The Review of Environmental Factors document will be continuously updated during the detailed design stage.
- The inclusion of artwork along the boardwalk will be considered subject to availability of funds once a cost estimate is prepared upon completion of detailed design.
- Works to upgrade the rock pool are expected to be completed before the 2019/20 summer season. This project is being funded by the NSW Government which has provided \$250,000 from the Public Reserves Management Fund Program to assist with works.

All other feedback we received as part of the consultation period which is not directly related to the boardwalk has been shared with the relevant departments within Council.

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# Introduction

Central Coast Council is proposing to build a boardwalk from Terrigal Beach promenade to The Haven.

Council has been successful in receiving \$2.9 million of NSW Government funding through the Regional Growth Environment and Tourism Fund to build the boardwalk, with a 50:50 funding match to be provided by Council.

Council engaged Arup Pty Ltd to carry out technical investigations, environmental studies, and to develop a concept design and detailed design.

## The proposal

The Terrigal Boardwalk concept plans exhibited for feedback consisted of:

- A 220 metre boardwalk connecting the existing pathway at the Terrigal rock pool to the west with The Haven precinct at the existing seawall to the east
- A viewing platform
- Extension of the sandstone wall from The Haven Beach to connect the built boardwalk.

The concept designs for the boardwalk can be viewed in Appendix B.

# Consultation Approach

## Objectives of consultation

The purpose of consultation for the Terrigal Boardwalk was to:

- Encourage the community and stakeholders to provide feedback on the concept design and supporting assessments
- Communicate the features and need for the proposal
- Provide the community an opportunity to speak directly with project staff
- Hear from stakeholders and the community to identify issues

## Our engagement framework

Consultation has been designed in accordance with Central Coast Council's Engagement Framework.

This framework is available to view at <https://www.yourvoiceourcoast.com/Central-Coast-Council-Engagement-Framework>

## How we consulted

### Consultation tools

<p><b>Method 1:</b> Written submissions</p>	<p>All residents and stakeholders could make a written submission via email, the online submission form on <a href="https://www.yourvoiceourcoast.com">yourvoiceourcoast.com</a>, hand written submissions forms provided at information sessions, or via post.</p>
<p><b>Method 2:</b> Random face-to-face surveys</p>	<p>Interviewers from an independent market researcher (Micromex) approached 441 people randomly in public places. The purpose of these surveys was to understand sentiment of residents from both Terrigal and other areas on the Central Coast. This method aimed to eliminate self-selection bias (where an individual chooses to participate in the consultation and may lead to a biased sample).</p> <p>A copy of the survey questions can be found in <b>Appendix A</b></p> <p>Surveys were conducted at:</p> <ul style="list-style-type: none"> <li>• Terrigal Beach Markets</li> <li>• Terrigal Lions Club Car boot Sale</li> <li>• Terrigal CBD</li> <li>• Gosford CBD</li> <li>• Greedy Guts Market (Terrigal)</li> <li>• The Entrance Markets</li> </ul>

## Promotion of activities

We carried out extensive promotion of the consultation period to ensure the community and affected stakeholders were aware of the opportunity to learn about the proposal and given enough notice to make a submission.

Media release	<ul style="list-style-type: none"> <li>• 'Community can have their say on Terrigal Boardwalk design' issued on 13 November 2018</li> <li>• A copy of the media release can be found in <b>Appendix C</b></li> </ul>
Print advertising	<ul style="list-style-type: none"> <li>• Advertising featured in Central Coast Express Advocate on 27 September</li> <li>• A copy of the advertisement can be found in <b>Appendix D</b></li> </ul>
Radio advertising	<ul style="list-style-type: none"> <li>• Southern Cross Austereo: 14 November until 7 December 2018</li> <li>• StarFM: 12 November until 11 December 2018</li> </ul>
Social media	<ul style="list-style-type: none"> <li>• Facebook posts on 21 November and 12 December Total reach of 8,869 – 61 comments, 16 shares and 106 reactions</li> <li>• Twitter tweets on 13 November, 21 November and 12 December</li> <li>• Copies of the posts can be found in <b>Appendix E</b></li> </ul>
Drop-in information sessions	<p>Two drop-in information sessions were held on:</p> <ul style="list-style-type: none"> <li>• Saturday 24 November 2018 at Terrigal Esplanade, 9am to 1pm</li> <li>• Wednesday 28 November 2018 at Terrigal Surf Life Saving Club, 4pm to 7pm</li> <li>• A total of 330 people attended these information sessions.</li> </ul>
Your Voice – Our Coast website	<ul style="list-style-type: none"> <li>• Project page launched on 12 November 2018 <a href="https://www.yourvoiceourcoast.com/terrigan-boardwalk">https://www.yourvoiceourcoast.com/terrigan-boardwalk</a></li> <li>• The page received 3600 visits during consultation period</li> </ul>
Postcards	<ul style="list-style-type: none"> <li>• 3000 postcards were letterbox dropped to Terrigal residents</li> </ul>
Outdoor posters	<ul style="list-style-type: none"> <li>• The distribution area can be found in <b>Appendix F</b></li> <li>• Outdoor posters were installed throughout Terrigal CBD, Terrigal Esplanade and The Haven</li> <li>• Copies of the posts can be found in <b>Appendix G</b></li> </ul>

## Media coverage achieved

Television	<ul style="list-style-type: none"><li>• NBN Central Coast TV News – 6.00-7.00pm – 26 November 2018</li></ul>
Radio	<ul style="list-style-type: none"><li>• STAR Radio News – 10.00am – 15 November 2018</li><li>• STAR Radio News – 9.00am – 21 November 2018</li><li>• STAR Radio News – 12.00pm – 21 November 2018</li></ul>

# What we heard

Based on feedback provided through both methods, the **key reasons to support** the proposal were:

- Better access and recreation opportunities
- Tourism and economic benefits
- Favorable design
- Positive visual impact (eg complements the area)

Based on feedback provided through both methods, the **key reasons not to support** the proposal were:

- High cost of the project
- Negative visual impact
- Lack of need (eg there is already a path)
- Impact on current use of the rock platform / Haven Beach
- Ecological impact / litter and pollution

While an overall majority of participants expressed general support for the proposal, a wide range of issues and concerns regarding the proposal, or elements of it, were raised.

The key themes raised were:

- Cost of project
- Tourism and economy (benefits, negative impacts)
- Impact on current use of the rock platform / Haven Beach
- Project need (includes for / against)
- Access and recreation
- Usage (once built)
- Design
- Ongoing maintenance / longevity
- Rock-fall
- Visual impact
- Ecological impact
- Litter and pollution
- Construction
- Fix / upgrade rock pool

*Please refer to Table 1 (page 17) to see the type of comment or issue placed under each theme. Council's response to these can also be found in this table.*

## Method 1: Written submissions

A total of **688** written submissions were received during the consultation period.

If an individual made a more than one submission, we combined the content and have counted these as a single submission for reporting purposes.

Submissions were provided as emails, online submissions through [yourvoiceourcoast.com](http://yourvoiceourcoast.com) and hand written submissions forms provided at information sessions on the 24 and 28 November 2018.

Figure 3. **Stakeholder ages (Method 1: Written submissions)**

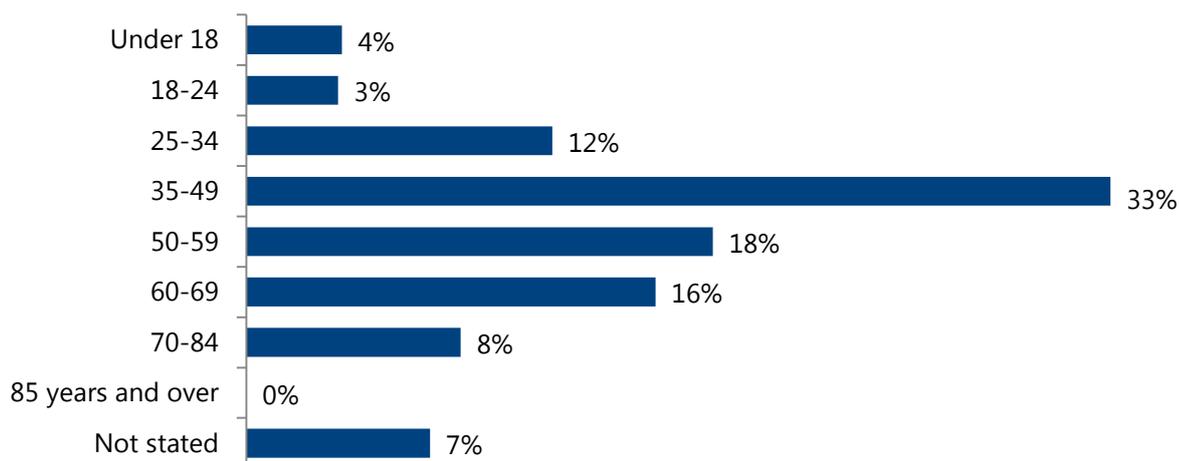
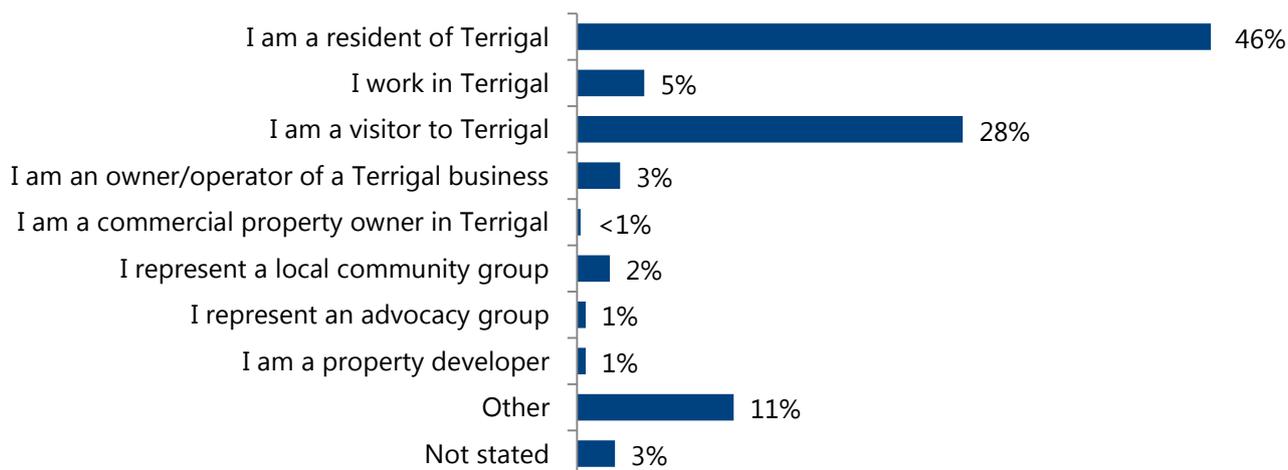


Figure 4. **Residential suburb of stakeholder (Method 1: Written submissions)**

Suburb	Percentage
Terrigal	47%
Wamberal	8%
North Avoca	3%
Avoca Beach	2%
Saratoga	2%
Green Point	2%
Foresters Beach	2%
Kincumber	2%
Narara	2%
Bateau Bay	2%
Erina	1%
Gosford	1%
Umina Beach	1%
Wyoming	1%
Tumbi Umbi	1%
East Gosford	1%
Lisarow	1%
Matcham	1%
Bensville	1%
Killarney Vale	1%
Copacabana	1%
Holgate	1%
Ourimbah	1%
Niagara Park	1%
Kariong	1%
Macmasters Beach	1%
Berkeley Vale	<1%
Empire Bay	<1%
Glenning Valley	<1%
Norah Head	<1%
North Gosford	<1%

Suburb	Percentage
Springfield	<1%
Chittaway Bay	<1%
Jilliby	<1%
Long Jetty	<1%
Point Clare	<1%
Tuggerah	<1%
Blue Bay	<1%
Blue Haven	<1%
Canton Beach	<1%
Daleys Point	<1%
Davistown	<1%
Ettalong Beach	<1%
Gorokan	<1%
Gwandalan	<1%
Horsfield Bay	<1%
Kanwal	<1%
Pickett's Valley	<1%
Point Frederick	<1%
Pretty Beach	<1%
Shelly Beach	<1%
Summerland Point	<1%
The Entrance	<1%
Wadalba	<1%
Woongarra	<1%
Woy Woy	<1%
Wyee	<1%
Wyong	<1%
Yattalunga	<1%
Warnervale	<1%
Outside Central Coast	1%
Not stated	2.0%

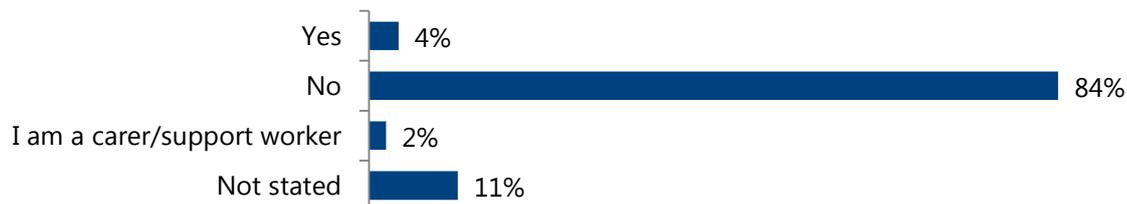
Figure 5. **Interest in the proposal (Method 1: Written submissions)**



'Other' specified interests include (but are not limited to):

- Surf Life Saving Club member/s or lifeguard
- Grew up in Terrigal
- Family in Terrigal
- Ocean swimming group member / regular swimmer
- Regular exerciser at Terrigal
- Central Coast Councillor
- State Member
- Potential new resident
- Terrigal High School student/s
- Rate payers

Figure 6. **Percentage of stakeholders with mobility impairment (Method 1: Written submissions)**



From the **688** submissions, a total of **1273** separate comments were made (one submission can contain several comments). These comments have been themed for reporting purposes.

Figure 7. **Themes raised by stakeholders (Method 1: Written submissions)**

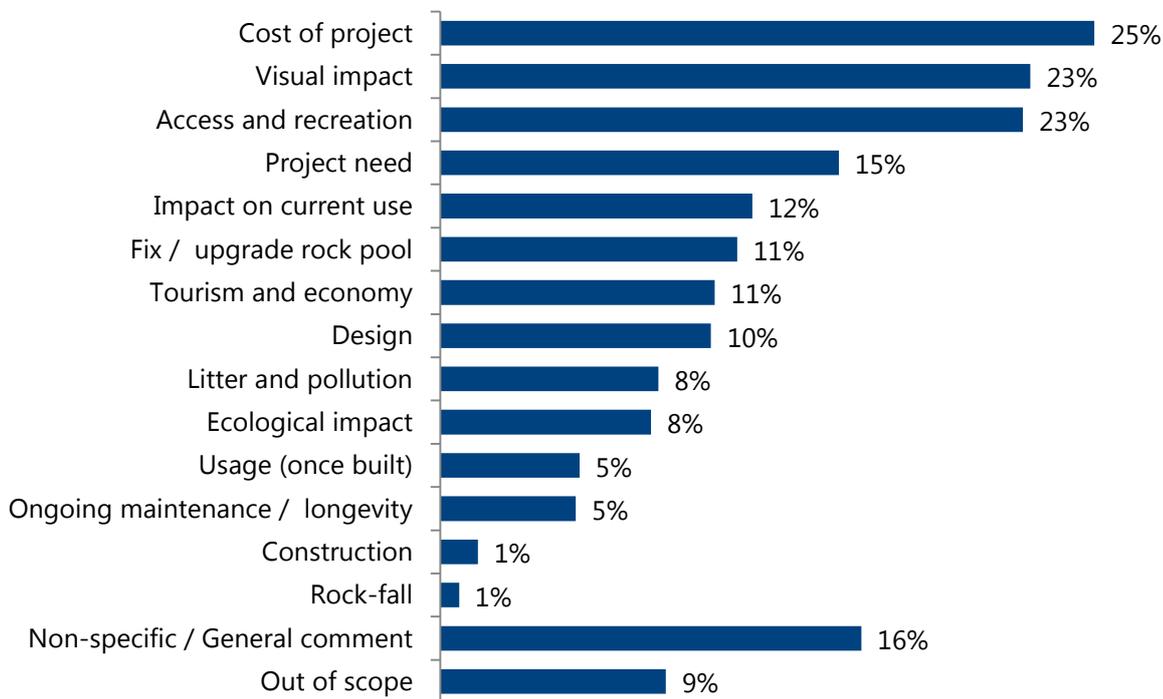


Figure 8. **Overall level of support (Method 1: Written submissions)** (Note: percentages have been rounded)

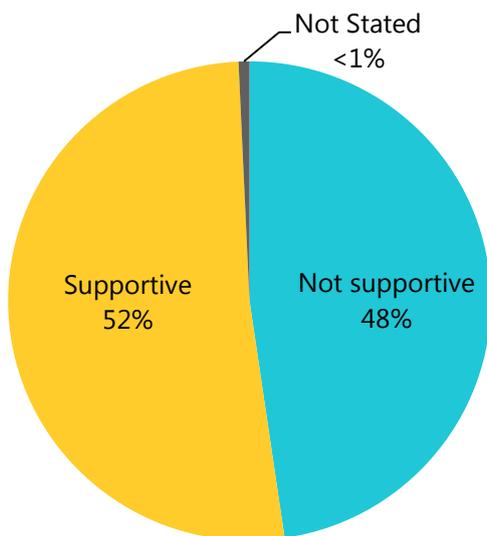
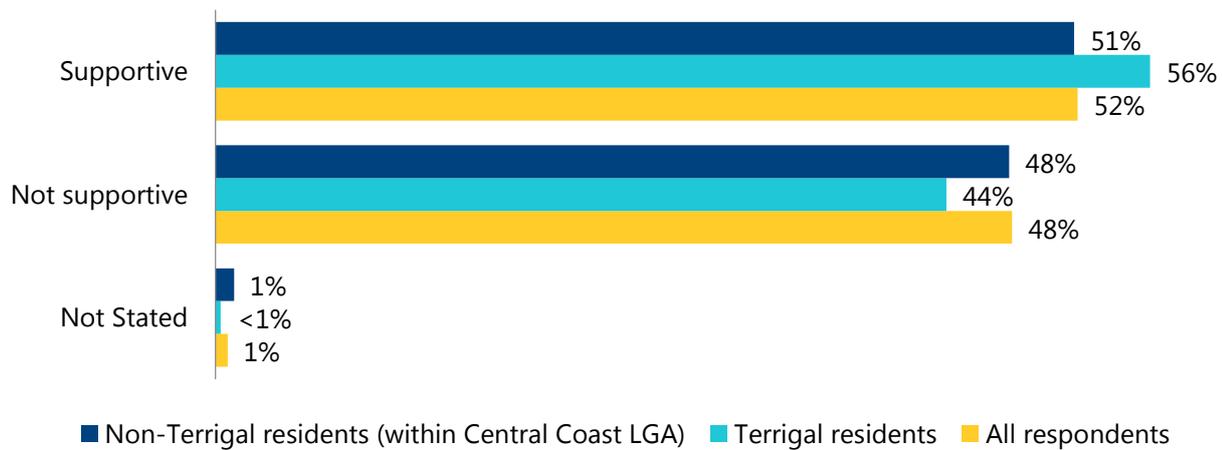


Figure 9. **Level of support – Comparison between place of residence (Method 1: Written submissions)** (Note: Percentages have been rounded)



## Written submissions from Terrigal residents only

From the **320** submissions from residents who selected 'Terrigal' as their current suburb, a total **590** separate comments were made (one submission can contain several comments). These comments have been themed for reporting purposes.

Figure 10. **Themes raised by Terrigal residents (Method 1: Written submissions)**

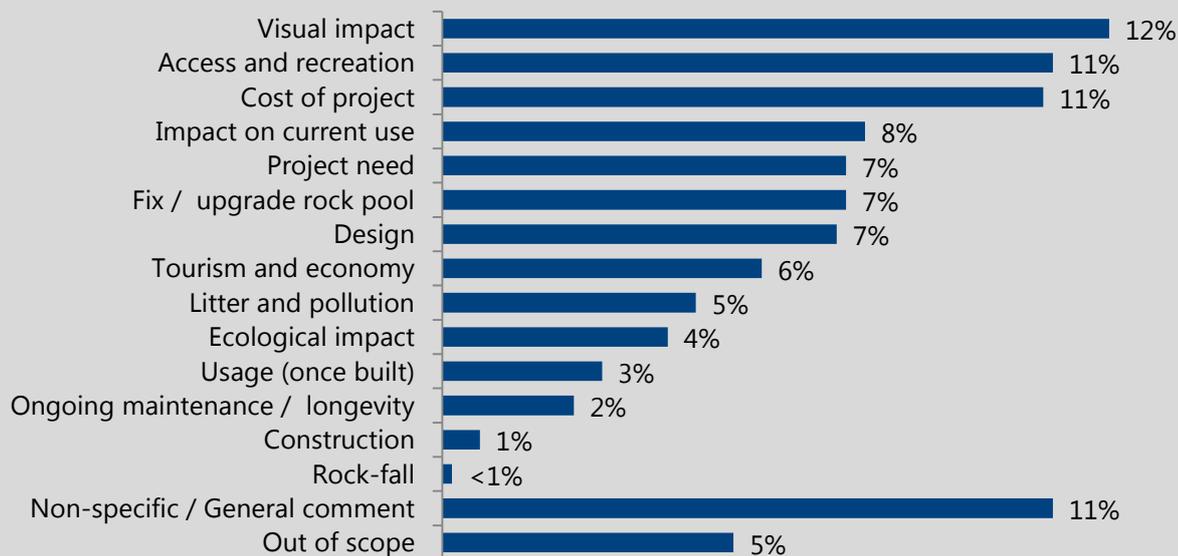
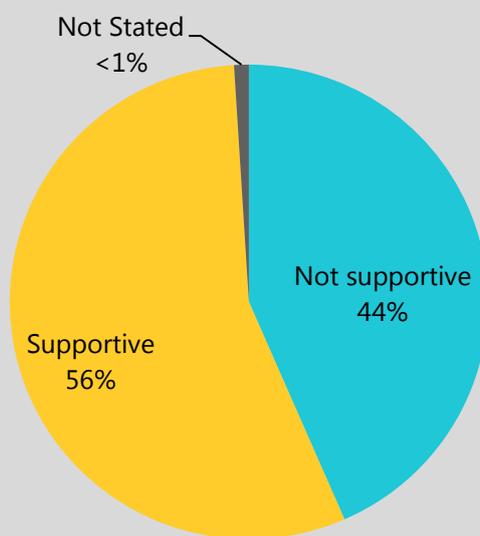


Figure 11. **Level of support – Terrigal residents only (Method 1: Written submissions)** (Note: percentages have been rounded)



## Method 2: Random face-to-face survey

In addition to written submissions, **441** Random face-to-face surveys were conducted over a week between Saturday 2 and Saturday 9 February.

This involved interviewers from an independent market researcher (Micromex) approaching 441 people randomly in public places. The purpose of these surveys was to understand sentiment of residents from both Terrigal and other areas on the Central Coast. This method aimed to eliminate self-selection bias (where an individual chooses to participate in the consultation and may lead to a biased sample).

A copy of the survey questions can be found in Appendix A.

Surveys were conducted at:

- Terrigal Beach Markets
- Terrigal Lions Club Car boot Sale
- Terrigal CBD
- Gosford CBD
- Greedy Guts Market (Terrigal)
- The Entrance Markets

Before being asked questions about the boardwalk, participants were shown concept drawings, advised of the estimated cost, and where the funding for the boardwalk was being sourced.

Figure 12. **Stakeholder ages (Method 2: Random face-to-face surveys)**

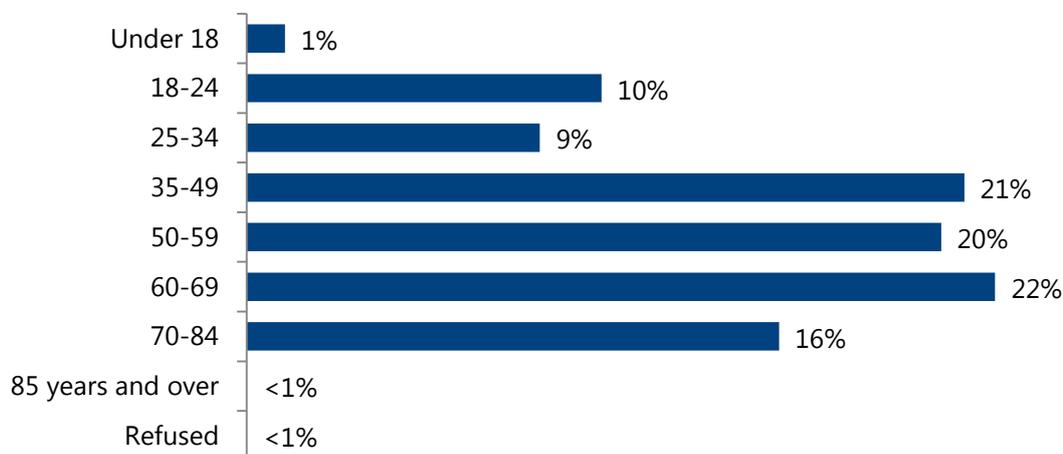


Figure 13. **Residential suburb of survey participants (Method 2: Random face-to-face surveys)**

Suburb	Percentage
Terrigal	59%
Wamberal	5%
Erina	2%
Gosford	2%
Green Point	2%
Kariong	2%
Narara	2%
Wyoming	2%
Avoca Beach	1%
Bateau Bay	1%
East Gosford	1%
Killarney Vale	1%
Kincumber	1%
Lisarow	1%
Long Jetty	1%
North Avoca	1%
North Gosford	1%
Ourimbah	1%
Springfield	1%
The Entrance	1%
West Gosford	1%
Bensville	<1%
Berkeley Vale	<1%
Blue Bay	<1%
Blue Haven	<1%
Booker Bay	<1%
Budgewoi	<1%
Chittaway Bay	<1%
Copacabana	<1%
Davistown	<1%
Erina Heights	<1%
Ettalong Beach	<1%

Suburb	Percentage
Forresters Beach	<1%
Fountaindale	<1%
Glenn Valley	<1%
Glenworth Valley	<1%
Gorokan	<1%
Halekulani	<1%
Holgate	<1%
Jilliby	<1%
Kanwal	<1%
Killcare Heights	<1%
Lake Munmorah	<1%
MacMasters Beach	<1%
Moonee	<1%
Mooney Mooney	<1%
Niagara Park	<1%
Norville	<1%
Patonga	<1%
Peats Ridge	<1%
Point Clare	<1%
Point Frederick	<1%
Rocky Point	<1%
Shelly Beach	<1%
Somersby	<1%
Tascott	<1%
The Entrance North	<1%
Toowoona Bay	<1%
Tuggerah	<1%
Tumbi Umbi	<1%
Umina Beach	<1%
Woy Woy	<1%
Wyong	<1%
Wyongah	<1%

Figure 14. **Interest in the proposal (Method 2: Random face-to-face survey)**

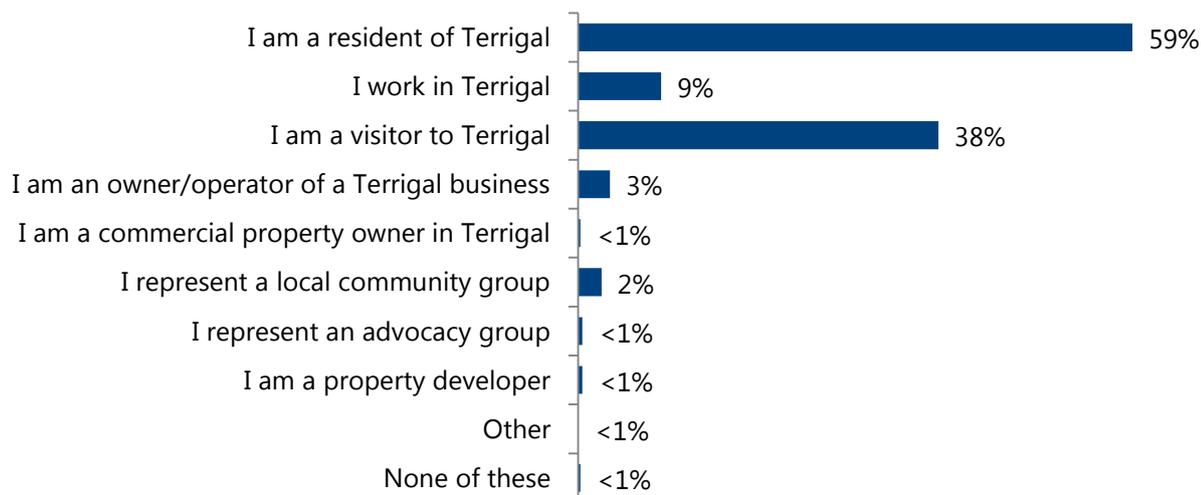
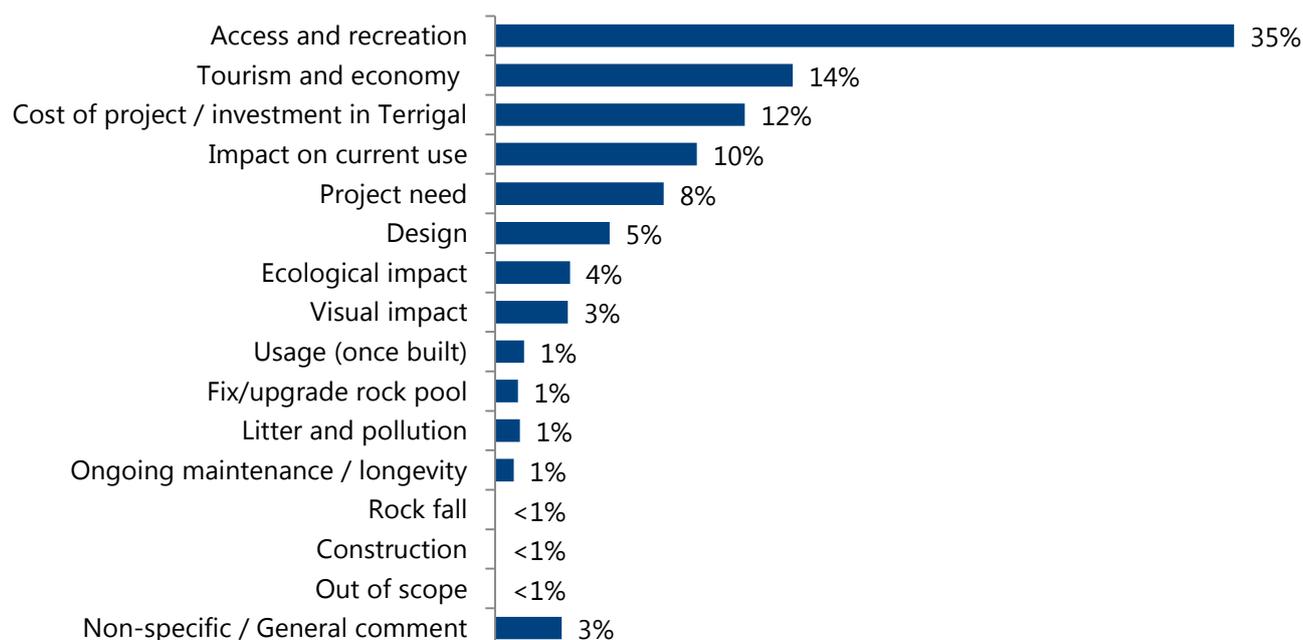


Figure 15. **Percentage of survey participants with mobility impairment (Method 2: Random face-to-face survey)**



From the **441** completed surveys, a total of **1006** separate reasons were provided to justify the level of support expressed by the participant (one survey participant could provide several reasons). These reasons have been themed for reporting purposes.

Figure 16. **Themes raised by survey participants (Method 2: Random face-to-face survey)**



*Please refer to Table 1 (page 17) to see the type of comment or issue placed under each theme. Council's response to these can also be found in this table.*

Figure 17. **Overall level of support (Method 2: Random face-to-face surveys)**

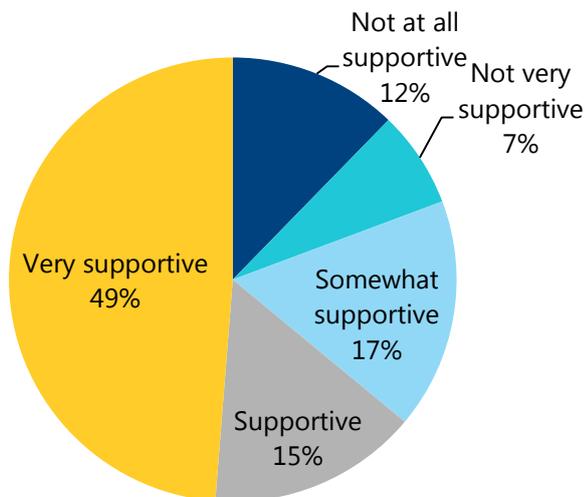
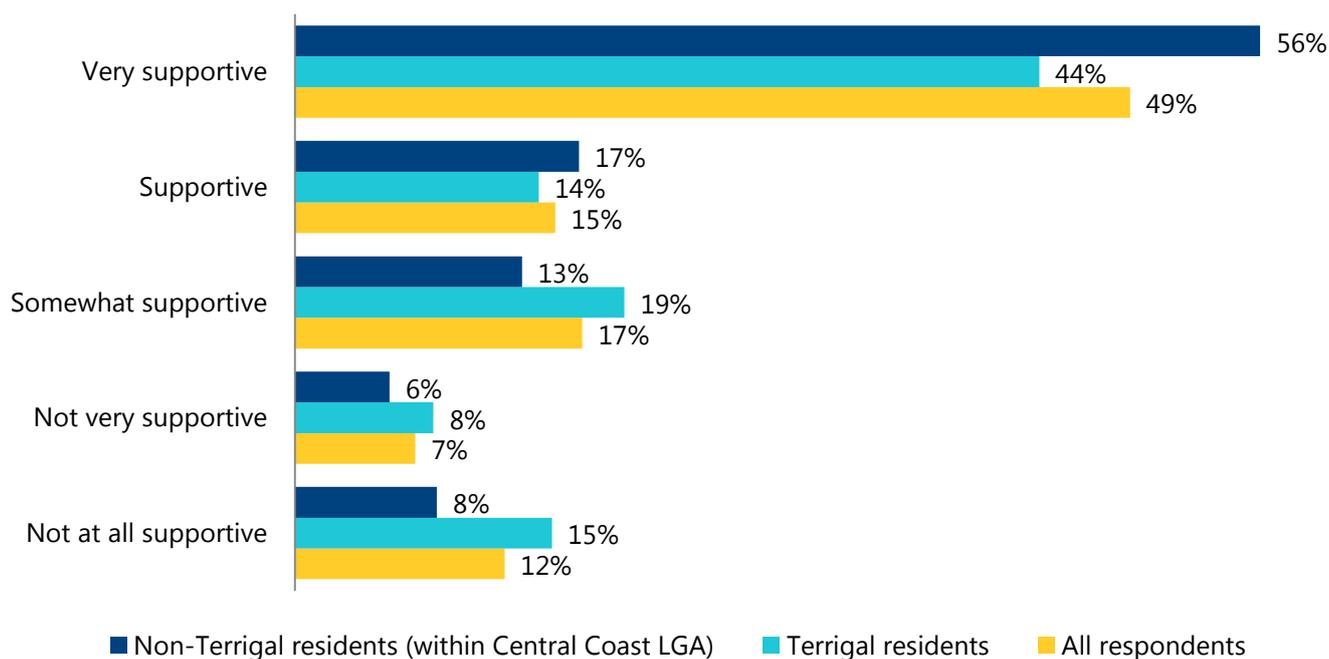


Figure 18. **Level of support – Comparison between place of residence (Method 2: Random face-to-face surveys)**



## Random face-to-face survey results from Terrigal residents only

From the **260** survey participants who stated 'Terrigal' as their current suburb, a total of **606** separate reasons were provided to justify the level of support expressed by the participant (one survey participant could provide several reasons). These reasons have been themed for reporting purposes.

Figure 19. **Themes raised by Terrigal resident (Method 2: Random face-to-face surveys)**

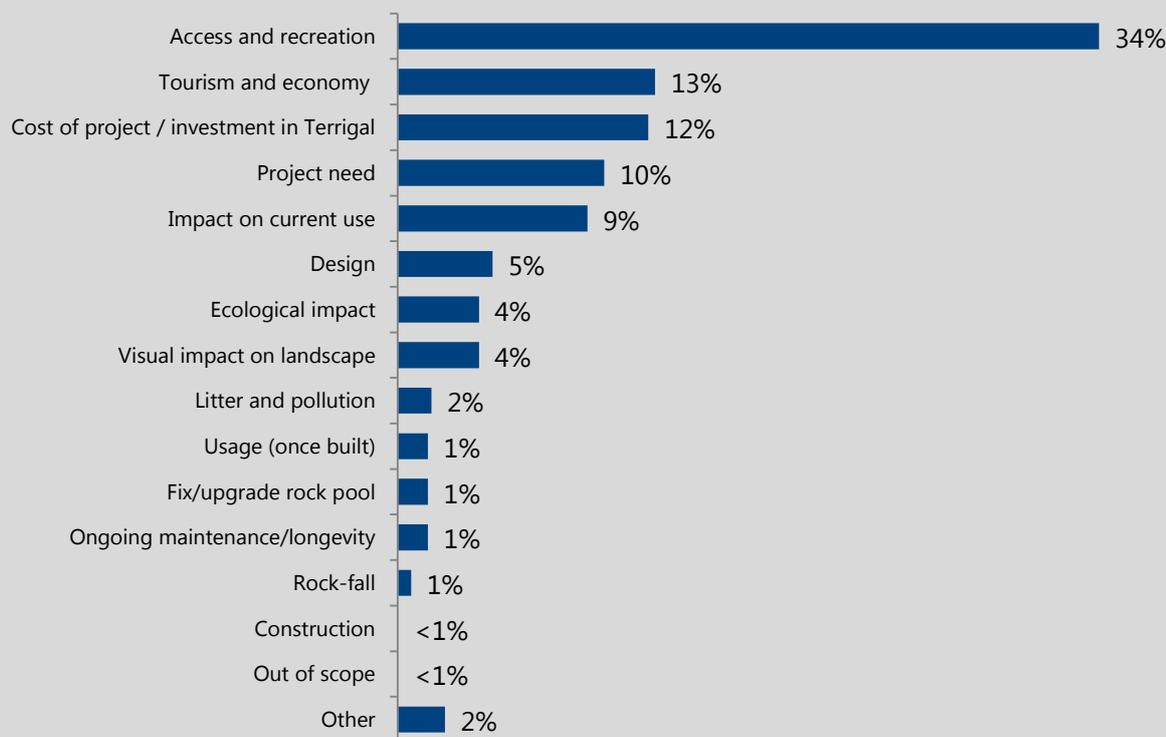
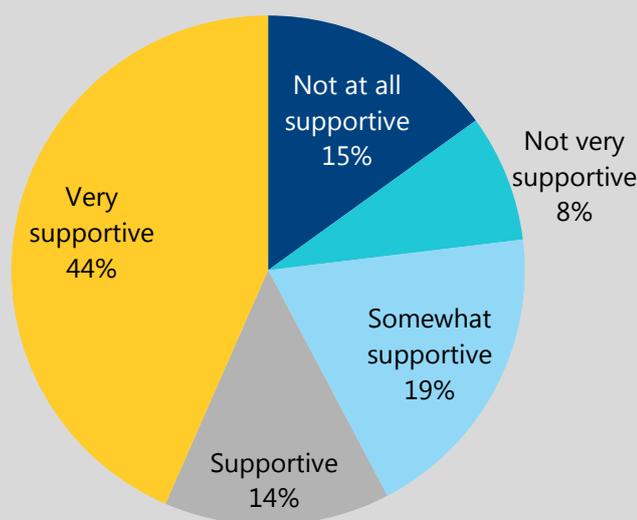


Figure 20. **Level of support – Terrigal residents only (Method 2: Random face-to-face surveys)**



# Council's response

Due to the large volume and variety of content contained within community feedback, not every comment was able to be included and responded to in this report however they have all been considered.

**Table 1**

<b>Category</b>	<b>Summary of issue / Example of comment</b>	<b>Council's response</b>
Cost of project	<ul style="list-style-type: none"> <li>• Concerns about the high cost of the boardwalk</li> <li>• Suggestion the money should be spent elsewhere (many other suggestions provided)</li> <li>• Why is this money being spent in Terrigal?</li> <li>• Good to see something tangible for our rates money</li> </ul>	<p>The concept design for the boardwalk has been prepared in compliance with industry best practice, codes and standards required for coastal infrastructure which has added to the cost.</p> <p>Terrigal has been chosen for investment because the proposed boardwalk is intended to improve the amenity and accessibility for local residents as well as tourists visiting the region.</p> <p>The boardwalk aims to activate Terrigal as a key visitor destination, including a conference destination. This in turn will contribute to economic activity and an increase in turnover for local businesses in Terrigal and the wider Central Coast.</p> <p>The construction of the boardwalk is expected to further boost the local economy by creating a projected 90 local jobs, of which 67 are anticipated to be resident jobs.</p> <p>The <i>Terrigal Haven Plan of Management</i> prepared by former Gosford Council in December 2009 incorporated the management action "Provision of CBD access improvements" to investigate a number of options for access improvements to Terrigal CBD, including the provision of a boardwalk linking Terrigal Beach promenade to The Haven precinct. The proposal responds to this action within the Plan of Management.</p>

<b>Category</b>	<b>Summary of issue / Example of comment</b>	<b>Council's response</b>
Tourism and economy (benefits, negative impacts)	<ul style="list-style-type: none"> <li>• Boardwalk will be good for business</li> <li>• Will be good to attract more tourists</li> <li>• Concerns about attracting more tourists</li> <li>• Will encourage crowds / overwhelm the area</li> </ul>	<p>The boardwalk aims to activate Terrigal as a key visitor destination, including a conference destination. This in turn will contribute to the economic activity and an increase in turnover for local businesses in Terrigal and the wider Central Coast.</p> <p>The construction of the boardwalk is expected to further boost the local economy by creating a projected 90 local jobs, of which 67 are anticipated to be resident jobs.</p> <p><b>Increased visitation</b></p> <p>Council has recently completed road upgrades in the Terrigal CBD to better manage traffic flow and congestion.</p> <p>Council has also upgraded the Wilson Road multi storey carpark, creating 110 additional car parks.</p> <p>Further investigations are being carried out to assess the need for additional car parking in Terrigal as part of the Central Coast Regional Parking Strategy.</p>
Impact on current use	<ul style="list-style-type: none"> <li>• Concerns the boardwalk will negatively impact the current use of the rock platform Eg. children's play, fishing, general use, dog swimming area, western end of The Haven beach</li> <li>• The boardwalk will complement the use of the area</li> </ul>	<p>The risk assessment carried out in line with Australian Geomechanics Society (AGS) Framework of Landslide Risk has identified a risk of rock fall and it is not safe to use the rock shelf.</p> <p>Once the boardwalk is built, access to rock platform will therefore not be encouraged.</p> <p>Currently there are signs at Terrigal advising risk of falling rocks accessing this areas.</p>

Category	Summary of issue / Example of comment	Council's response
		 <p>The boardwalk will be built away from the platform so the community can still continue using this area providing more safety from rock fall.</p> <p>The loss of space at the western end of the beach due to construction of the boardwalk will be further investigated at detailed design stage to minimise the loss of beach space.</p>
<p>Project need</p>	<ul style="list-style-type: none"> <li>• The project isn't need</li> <li>• The project is needed</li> <li>• A path already connects Terrigal Promenade to The Haven</li> </ul>	<p>Council is proposing to build the boardwalk to:</p> <ul style="list-style-type: none"> <li>• Provide safe access for pedestrians by connecting the existing walkways at Terrigal Beach promenade and The Haven</li> <li>• Enhance the experience of the area for pedestrians by offering a natural and aesthetically pleasing coastal walk/run</li> <li>• Offer a safer, more inclusive and direct coastal walk option to the current pedestrian path located alongside the road. It will divert foot traffic away from the path up the hill onto a more level platform.</li> <li>• Maximise access and mobility to meet the needs of all community members, as well as tourists visiting the area.</li> <li>• Encourage a sense of an inclusive</li> </ul>

Category	Summary of issue / Example of comment	Council's response
		<p>community by allowing children, parents with prams and people with disabilities to use the area more.</p> <ul style="list-style-type: none"> <li>• Offer health benefits and better recreation opportunities through increased participation and physical activity, as it is suitable for walkers, cyclists, runners, dog walkers (dogs on a leash) and families.</li> <li>• Provide all opportunities for pedestrians of all abilities to soak up the views from the viewing platform.</li> </ul>
Access and recreation	<ul style="list-style-type: none"> <li>• Suggestion the boardwalk will be great for walkers, runners and families</li> <li>• Will be good for people with mobility impairments</li> <li>• Will open up the area</li> <li>• The new connection will improve access to parking at The Haven</li> </ul>	<p>The boardwalk will offer health benefits and better recreation opportunities through increased participation and physical activity, as it is suitable for walkers, cyclists, runners, dog walkers (dogs on a leash) and families.</p> <p>Additionally the boardwalk will provide safe and easy access between Terrigal Beach promenade to The Haven.</p>
Usage (once built)	<ul style="list-style-type: none"> <li>• What is allowed/not allowed on boardwalk?</li> <li>• Potential for anti-social behaviour</li> <li>• Concern about diving and jumping from boardwalk / general water safety</li> <li>• Dog should not be allowed on the boardwalk</li> <li>• Will the boardwalk be closed off at times?</li> <li>• Conflicting use and safety</li> </ul>	<p>Council anticipates the following allowances and restrictions would apply to boardwalk once built. These will be confirmed in detailed design stage.</p> <ul style="list-style-type: none"> <li>• Walking, cycling, prams, mobility scooters and dogs on leash will be allowed on the boardwalk.</li> <li>• Skate boards, fishing and jumping from the structure will not be allowed.</li> <li>• The boardwalk may be closed during major weather events, or signage may be erected.</li> <li>• Appropriate signage will be fixed near the boardwalk to inform users of what is permitted/not permitted and to address safety concerns.</li> </ul>
Design	<ul style="list-style-type: none"> <li>• Comments on the boardwalk design (eg. I don't like the look of it / I think it looks great)</li> <li>• Comments/suggestion on materials, specific design elements</li> </ul>	<p>The principle objective of the design is to provide a high quality experience for Terrigal's coastal walk for pedestrians.</p> <p>The design of the boardwalk is compliant with relevant Australian Standards and was</p>

Category	Summary of issue / Example of comment	Council's response
	<ul style="list-style-type: none"> <li>• Why is the boardwalk extended so far out? Can it be closer to the cliff?</li> <li>• What were the other options?</li> </ul>	<p>prepared after careful consideration to manage the risk of rockfall from adjacent cliff while also managing coastal considerations including wave impact, sea-level rise and inundation.</p> <p>The design of the boardwalk addresses the interface between the existing pedestrian walkways on either end and the safety issues associated with a naturally changing cliff line and water levels.</p> <p>The material selection has been carried out to achieve aesthetic impact while providing a durable, cost effective solution that manages maintenance requirements. A wide range of material options were reviewed at concept design stage keeping in mind the design life, maintenance requirements and durability in a coastal environment.</p> <p>The material options were evaluated against cost, aesthetic/user experience, durability/maintenance, availability and environmental Impact criteria. The recommended materials will be further investigated prior to being finalised during detailed design stage. The boardwalk is extended far out to mitigate the risk of rock fall/debris from the adjacent cliff-face.</p> <p>The other two options were 'Nature walk' and 'Cable-stay'. All three options were evaluated against environmental impact, capital cost, design/constructability risk, statement design and user experience criteria. A decision was made to proceed with Option 2 ('Views and lookout platform').</p> <p>The Nature Walk option was not chosen as this design potentially needed more piles/supports.</p> <p>Cable stay was not selected as it required a more expensive structural solution and</p>

<b>Category</b>	<b>Summary of issue / Example of comment</b>	<b>Council's response</b>
		was over the budget.
Ongoing maintenance / longevity	<ul style="list-style-type: none"> <li>• Concern the boardwalk will not withstand rough seas and storms</li> <li>• Concern the boardwalk be hard to maintain</li> </ul>	<p>The deck of the boardwalk has been designed as high as practicable above wave crest height to avoid wave slam and potential damage. Wave loading has been considered on the piles of the boardwalk and on the structure itself. The potential for wave overtopping is considered at each location along the boardwalk. A bathymetric survey has been carried out to inform the wave crest assessment, as well as wave loading on the boardwalk. An assessment of scour at the toe of the seawall has been carried out for the extension of the seawall along the beach. The design is composed of simple and durable materials within the coastal context to ensure the longevity of the boardwalk and ease of maintenance.</p>
Rock-fall	<ul style="list-style-type: none"> <li>• Concerns about rock fall and the stability of the cliff face</li> </ul>	<p>The geometry, alignment and elevation of the boardwalk has been carefully considered to manage the risk of rockfall from adjacent cliff. An Australian Geomechanics Society (AGS) 2007 risk assessment was carried out to assess the landslide risk to persons using the boardwalk.</p> <p>The boardwalk is extended far out to mitigate the risk of rock fall/debris from the adjacent cliff-face. Slope remediation in the form of rock netting attached to the slope will be carried out where a minimum 6m offset isn't achieved. Remediation would also include 'dental' treatment of weathered seams with reinforced shotcrete and rock bolts.</p>
Visual impact	<ul style="list-style-type: none"> <li>• Concern about negative visual impact on the natural cliff face/ rock platform</li> <li>• Suggestion the boardwalk will complement the natural cliff face / rock platform</li> </ul>	<p>The selection of appropriate materials and finishes during detailed design stage would help integrate the structure of the boardwalk into the landscape and likely reduce the visual impact.</p> <p>The visual contrast and reflectivity of</p>

Category	Summary of issue / Example of comment	Council's response
		<p>boardwalk materials will be limited through appropriate colour choices. The boardwalk thickness where possible will be minimised to decrease visual profile. The size and number of supporting columns will also be minimised. Any infill to the base of columns will complement the colour and texture of existing rock.</p> <p>Council will also ensure retaining walls and sea walls visually integrate with the existing landscape through appropriate selection of materials.</p> <p>The boardwalk is extended far out to mitigate the risk of rock fall/debris from the adjacent cliff-face.</p>
Ecological impact	<ul style="list-style-type: none"> <li>• Concern over impacts to natural environment and ecology</li> <li>• Suggestion of inadequate assessment of environmental impacts / gaps in Review of Environmental Factors</li> </ul>	<p>The comments received from community relating to the Review of Environmental Factors (REF) have been carefully reviewed in consultation with Council's Environmental Reporting Section.</p> <p>Council will look into minimising the potential loss of the eastern end of the beach due to re-alignment of the sea wall. Council is also investigating the merits of carrying out a sub-tidal aquatic survey, substantial fauna survey and developing a vegetation management plan.</p> <p>In addition to incorporating any relevant feedback from the community, the REF document will be continuously updated during the detailed design stage to minimise the impacts to the natural environment and ecology as new issues arise.</p> <p>Council is also required to seek license from the NSW Department of fisheries before commencement of construction, at which stage additional aquatic surveys may be required to be carried out in line with the requirements of the licence.</p>

Category	Summary of issue / Example of comment	Council's response
Litter and pollution	<ul style="list-style-type: none"> <li>Concerns about litter pollution</li> <li>Concerns about disposal of dog poo/ compliance</li> <li>Comments about current poor enforcement of irresponsible dog ownership</li> </ul>	<p>An adequate number of bins will be provided along the boardwalk, which will be regularly serviced.</p> <p>The boardwalk will be patrolled by Council rangers, with visits increased if dog owners fail to appropriately dispose of dog poo. Appropriate signage will be in place advising dog owners of the applicable penalties. CCTV will also be installed to assist with identifying offenders.</p>
Construction	<ul style="list-style-type: none"> <li>Concerns construction period will impact local trade</li> <li>Concern about environmental impacts during construction (eg. barge over seagrass)</li> </ul>	<p>Council will liaise with the business community regarding traffic management controls to minimise the impact on local trade throughout construction. Designated construction haulage routes would be determined in advance of construction to minimise impacts on local roads.</p> <p>The Department of Primary Industries (DPI) Fisheries will be consulted during the detailed design stage and a license will be obtained prior to contractor using a barge over seagrass during construction.</p> <p>A peer review of the "basis of detailed design" document will be carried out by an independent coastal engineering consultant to ensure the constructability of the boardwalk.</p>
Fix / upgrade rock pool	<ul style="list-style-type: none"> <li>Request to upgrade the rock pool</li> <li>Request that the rock pool be turned into a larger ocean pool</li> </ul>	<p>Works to upgrade the rock pool are expected to be completed before the 2019/20 summer season.</p> <p>The project is being funded by the NSW Government which has provided \$250,000 from the Public Reserves Management Fund Program to assist with works.</p> <p>At this stage there is no plan to convert the rock pool into a larger ocean pool.</p>
Out of scope	<ul style="list-style-type: none"> <li>Suggestions to improve water quality of Terrigal Beach (water from lagoon / storm water)</li> </ul>	<p><b>Water quality</b></p> <p>Council is presently taking a number of</p>

Category	Summary of issue / Example of comment	Council's response
	<p>discharge)</p> <ul style="list-style-type: none"> <li>• Comments about parking</li> <li>• Request to provide better public toilet facilities</li> <li>• Other non-related suggestions</li> </ul>	<p>steps to understand and manage water quality at Terrigal.</p> <p>Council samples water quality between the lifeguard flags at Terrigal Beach each week. The samples are laboratory tested for bacteria and published on the Council website. On most days the beach is considered good for swimming.</p> <p>Permanent signage has been erected at three entry locations to Terrigal Beach advising that swimming is not recommended following rain events. Temporary signage is also placed on the beach following a poor water quality reading.</p> <p>A catchment audit is in progress for Terrigal Beach to better understand the potential causes of those times that are not considered good for swimming. This includes measuring water quality in stormwater pipe beach outlets during both dry and wet periods. The audit is also investigating if there is a correlation between high bacteria and rainfall and/or lagoon openings. Work is also underway to understand the sources of bacteria, whether human, animals, birds, or seagrass kelp. The audit is being carried out in consultation with Council's Water and Sewer section in regard to incorrect household plumbing connections (whether sewage connected to stormwater or rainwater connected to sewerage) and in regard to possible Council sewerage system leaks or overflows.</p> <p>Two years ago Council rehabilitated two sewer mains under Terrigal Lagoon to reduce the risk of sewage leaks.</p> <p><b>Parking</b></p> <p>Council has recently upgraded the Wilson Road multi storey carpark, creating 110</p>

<b>Category</b>	<b>Summary of issue / Example of comment</b>	<b>Council's response</b>
		<p>additional car parks in the CBD.</p> <p>Further investigations are being carried out to assess the need for additional car parking in Terrigal as part of the Central Coast Regional Parking Strategy.</p> <p><b>Public toilets</b></p> <p>Council has allocated funding in the 2019/20 financial year towards internal refurbishment and improved ventilation of Terrigal Surf Club public toilets.</p> <p>Longer term Council is looking at redeveloping the toilets in conjunction with works that the surf club is planning.</p> <p>Investigations will also be carried out to construct additional amenities during detailed design stage of the boardwalk.</p>

# Consultation outcomes and next steps

Thank you to everyone who provided submissions for the proposed boardwalk at Terrigal and attended the drop-in information sessions.

The next steps for Terrigal Boardwalk are as follows.

- A report to Council will be prepared recommending the boardwalk proceed and the allocation of \$2.98 million of Council funds to match State Government funding.
- The feedback received from the community will be incorporated into the design where feasible during detailed design phase.
- The final design will be shared with the State Government as the grant authority and published on [www.yourvoiceourcoast.com](http://www.yourvoiceourcoast.com)
- The Review of Environmental Factors document will be continuously updated during the detailed design stage.
- The inclusion of artwork along the boardwalk will be considered subject to availability of funds once a cost estimate is prepared upon completion of detailed design.
- Works to upgrade the rock pool are expected to be completed before the 2019/20 summer season. This project is being funded by the NSW Government which has provided \$250,000 from the Public Reserves Management Fund Program to assist with works.

All other feedback we have received as part of the consultation period which is not directly related to the boardwalk ('out of scope') has been shared with the relevant departments within Council.

# Appendices

## Appendix A

Face-to-face survey questions

**Central Coast Council  
Terrigal Boardwalk Validation questionnaire  
February 2019**

Central Coast Council is proposing to build a boardwalk from Terrigal Beach promenade to The Haven.

Council has developed a concept design for the boardwalk and we'd like to ask a few questions about it, would you have a few minutes to assist us please?

**Q1a. Which suburb do you live in?**

.....

**Q1b. Interviewer only question: Record residential location.**

- Terrigal
- Other location within the Central Coast LGA
- Outside of the Central Coast LGA **(Terminate)**

**Q2. What is your age?**

- Under 18
- 18-24
- 25-34
- 35-49
- 50-59
- 60-69
- 70-84
- 85 years and over
- Refused

**Q3. Do you consider yourself to have a mobility impairment? (SR)**

- Yes
- No
- I am a carer/support worker
- Refused

**Q4. Gender.**

- Male
- Female

**Q5. How would you best describe your interest in the boardwalk? (MR)**

- I am a resident of Terrigal (*pre-populate for those with the residential location of Terrigal*)
- I work in Terrigal
- I am a visitor to Terrigal (*Hide for those with the residential location of Terrigal*)
- I am an owner/operator of a Terrigal business
- I am a commercial property owner in Terrigal
- I represent a local community group
- I represent an advocacy group
- I am a property developer
- Other (please specify).....
- None of these

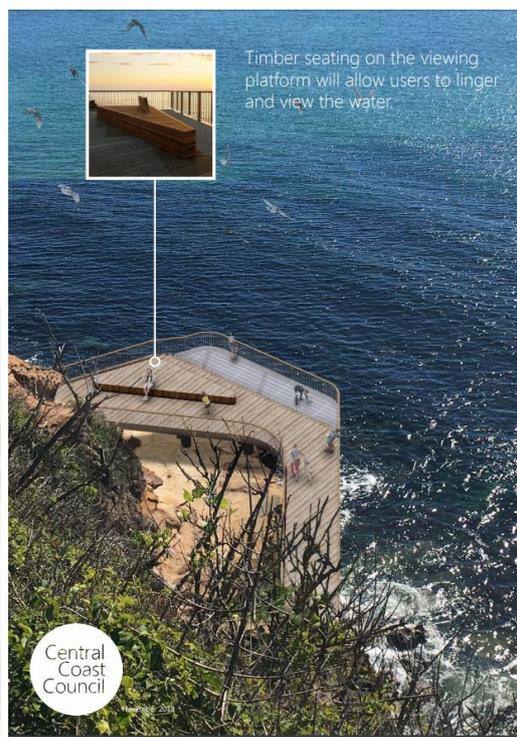
As I mentioned earlier, Central Coast Council is proposing to build a boardwalk from Terrigal Beach promenade to The Haven.

Council has already secured \$2.9 million of funding from the NSW Government to build it, and will need to provide another \$2.9 million.

The boardwalk is expected to be completed by summer next year (2020).

Council has developed a concept design for the boardwalk which looks as follows:

**Images enlarged for Showcard**





**Q6a. Looking at these images, and thinking about the information I've provided, how supportive are you of this proposal?**

- Very supportive
- Supportive
- Somewhat supportive
- Not very supportive
- Not at all supportive
- (Do not prompt)** Unsure

**Q6b. What are the reasons for your support/ lack of support?**

.....

**Q7. For quality control purposes, my supervisor might be in contact to confirm I completed this survey with you. Could I please have your:**

First name: .....

Phone number: .....

**That is the end of the survey, thank you for your time today**  
**Interviewer to provide business card with [www.yourvoiceourcoast.com](http://www.yourvoiceourcoast.com)**

**Q. Interviewer only: Record location.**

- Terrigal Beach Markets
- Terrigal Lions Club Car Boot Sale
- Terrigal CBD
- Greedy Guts Markets
- The Entrance Market
- Gosford Farmers Market
- Gosford CBD
- Love Lanes Festival

## **Appendix B**

### Concept Design

# Boardwalk materials

Materials for the proposed boardwalk have been selected with sustainability in mind. The materials will complement the surrounding natural environment while ensuring the safety of users and keeping maintenance as easy as possible in a challenging coastal environment.



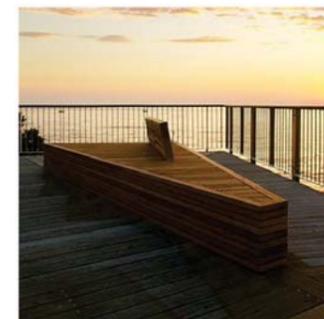
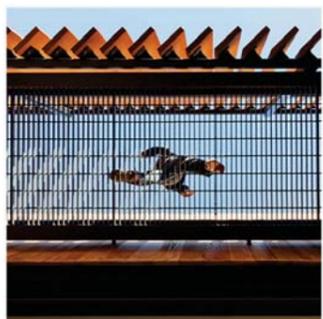
Locally sourced sandstone will be used to extend the existing sea wall.



Timber hardwood flooring will cover the entire length of boardwalk.



Grated flooring on the viewing platform will allow users to view the water below, while ensuring sunlight can still reach the seabed. The options of aluminum, weathered steel or fibreglass will be decided in detailed design stages.



Timber seating on the viewing platform will allow users to linger and view the water.

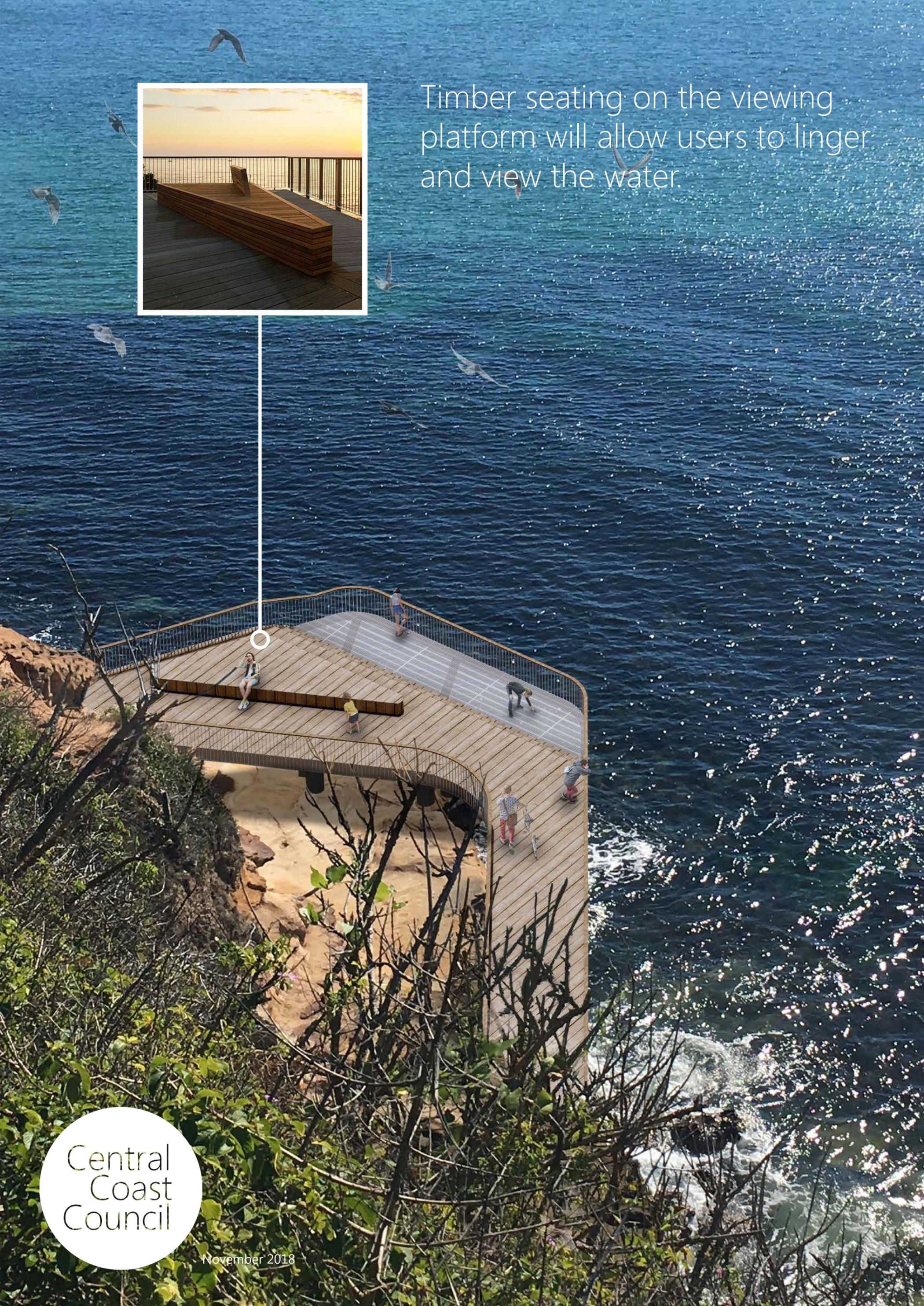
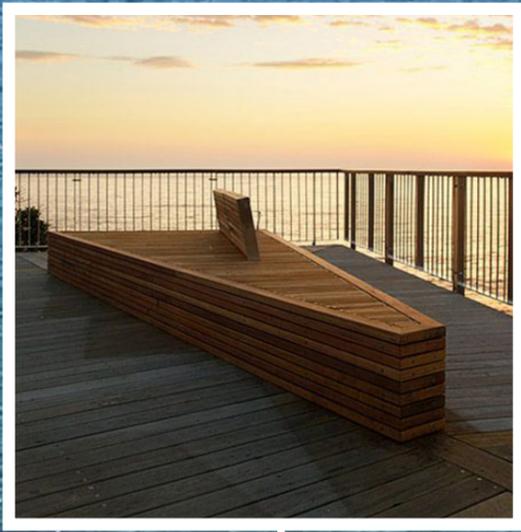


Metal balustrades on both sides of the boardwalk will allow excellent viewing for all users. LED lighting underneath wooden handrails will subtly illuminate the boardwalk at night.

Grated flooring on the viewing platform will allow users to view the water below, while ensuring sunlight can still reach the seabed. The options of aluminum, weathered steel or fibreglass will be decided in detailed design stages.



Timber seating on the viewing platform will allow users to linger and view the water.

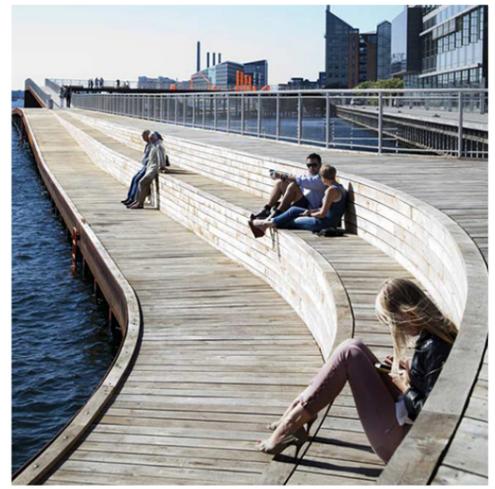
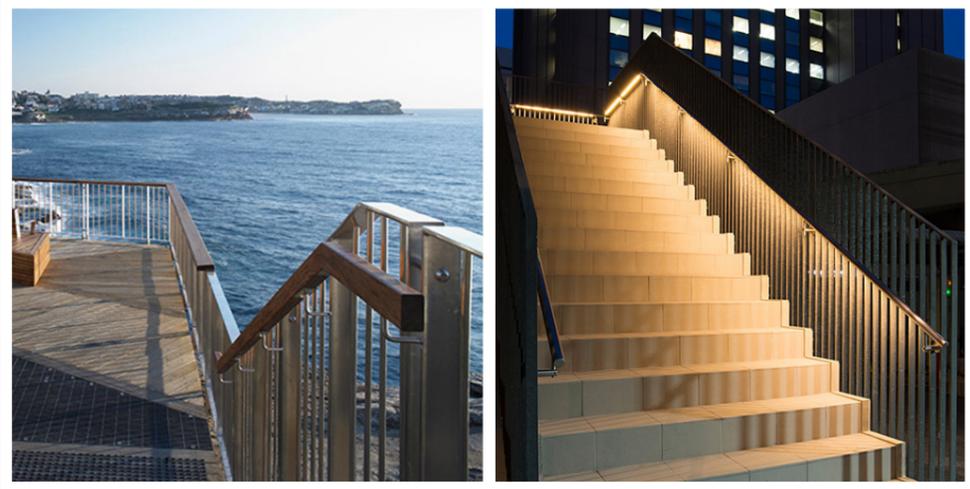




Locally sourced sandstone will be used to extend the existing sea wall.



Timber hardwood flooring will cover the entire length of boardwalk.



Metal balustrades on both sides of the boardwalk will allow excellent viewing for all users. LED lighting underneath wooden handrails will subtly illuminate the boardwalk at night.



## Appendix C

Media release

13 November 2018

### **Community can have their say on Terrigal Boardwalk design**

Central Coast Council is looking to the community for their feedback on the proposed concept design of a boardwalk that will run from Terrigal Beach promenade to The Haven.

Council Chief Executive Officer, Gary Murphy said that the Terrigal boardwalk is a catalyst project for the Central Coast.

"Terrigal boardwalk will significantly improve pedestrian access between Terrigal Beach promenade and The Haven, enhancing the experience of the area for locals and visitors," Mr Murphy said.

"We value feedback from the community, and as such, we're calling on the local residents to have their say on our preliminary plans for this exciting project.

"This feedback will then be used to identify any issues that may need to be further investigated during the detailed design and construction stages."

Mayor Jane Smith said that the development of the boardwalk in Terrigal has the potential to grow tourism on the Coast, as it will attract more visitors, and in turn boost the local economy.

"The community has told us, through our Community Strategic Plan, that they want our town centres activated as key destinations and attractors for businesses, residents, visitors and tourists," Mayor Smith said.

"I understand there are different views on this project and I want to assure local residents, visitors and the broader community we are interested in all views and will take them on board as this project progresses."

Council has been successful in receiving a \$2.9million NSW Government Regional Growth Environment and Tourism Fund grant to go towards funding the proposed boardwalk. An additional \$2.9million will need to be provided by Council through the yearly capital works budget.

To find out more on Terrigal boardwalk and have your say on the concept design visit [yourvoiceourcoast.com](http://yourvoiceourcoast.com) or Erina Library, or come along to one of Council's pop up stalls:

- Terrigal Beach Esplanade, Saturday 24 November, 9am to 1pm
- Terrigal Surf Life Saving Club, Wednesday 28 November, 4pm to 7pm

Council will be accepting feedback on this project until Friday 14 December 2018.

**ENDS**

## Appendix D

### Advertising and publications

#### Central Coast Express Advocate – 27 September 2018



**Central Coast Council**

### Terrigal Boardwalk - Have Your Say

Central Coast Council is proposing to build a boardwalk from Terrigal Beach promenade to The Haven, which will significantly improve pedestrian access between these destinations and enhance the experience of the area for locals and visitors.

After a site investigation and an environmental assessment, Council has developed a concept design and is now seeking community feedback on the proposal.

A \$2.9million NSW Government Regional Growth Environment and Tourism Fund grant has been received for this project. An additional \$2.9 million will need to be provided by Council through the yearly capital works budget.

To find out more and have your say visit [yourvoiceourcoast.com](http://yourvoiceourcoast.com) or Erina Library before Friday 14 December, or come along to one of our pop up stalls:

<b>Terrigal Beach Esplanade</b>	<b>Terrigal Surf Life Saving Club</b>
Saturday 24 November	Wednesday 28 November
9am - 1pm	4pm - 7pm

[yourvoiceourcoast.com](http://yourvoiceourcoast.com) 

# Appendix E

## Social media post examples

 **Central Coast Council** November 21 at 3:51 PM · 🌐

It's time to talk Terrigal boardwalk. Have you had your say?  
This exciting project involves the construction of a boardwalk that will run from Terrigal Beach promenade to The Haven.  
Concept design plans have been developed, and we're calling on the community for their feedback.... [See More](#)



**Terrigal Boardwalk - Have Your Say** 

YOURVOICEOURCOAST.COM  
**Your Voice - Our Coast**

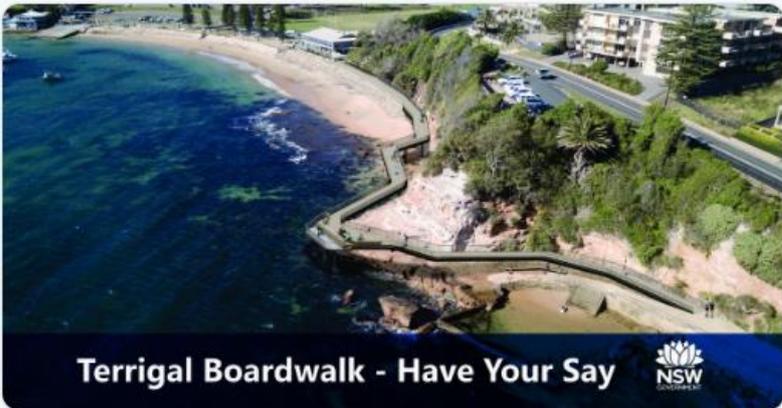
8,869 People Reached      1,797 Engagements      [Boost Post](#)

👍❤️👎 106      61 Comments 16 Shares

👍 Like      💬 Comment      ➦ Share      ⌵

 **CentralCoastCouncil** @CCoastCouncil · Nov 13

Have your say on the proposed concept design of a **boardwalk** that will run from **Terrigal Beach** promenade to The Haven. Visit [yourvoiceourcoast.com](http://yourvoiceourcoast.com) or Erina Library before 14 December. #**TerrigalBoardwalk** #CentralCoastCouncil



**Terrigal Boardwalk - Have Your Say** 

💬      ↻ 2      ❤️ 2      📑

## Appendix F

### Project postcard and letterbox distribution area



Central Coast Council is proposing to build a boardwalk from Terrigal Beach promenade to The Haven, which will significantly improve pedestrian access between these destinations and enhance the experience of the area for locals and visitors.

After a site investigation and an environmental assessment, Council has developed a concept design and is now seeking community feedback on the proposal.

A \$2.9million NSW Government Regional Growth Environment and Tourism Fund grant has been received for this project. An additional \$2.9 million will need to be provided by Council through the yearly capital works budget.

To find out more and have your say visit [yourvoiceourcoast.com](http://yourvoiceourcoast.com) or Erina Library before Friday 14 December, or come along to one of our pop up stalls:

**Terrigal Beach Esplanade**  
Saturday 24 November  
9am - 1pm

**Terrigal Surf Life Saving Club**  
Wednesday 28 November  
4pm - 7pm

[yourvoiceourcoast.com](http://yourvoiceourcoast.com)



## Appendix G

Outdoor poster



### Terrigal Boardwalk - Have Your Say

Central Coast Council is proposing to build a boardwalk from Terrigal Beach promenade to The Haven, which will significantly improve pedestrian access between these destinations and enhance the experience of the area for locals and visitors.

After a site investigation and an environmental assessment, Council has developed a concept design and is now seeking community feedback on the proposal.

A \$2.9million NSW Government Regional Growth Environment and Tourism Fund grant has been received for this project. An additional \$2.9 million will need to be provided by Council through the yearly capital works budget.

To find out more and have your say visit [yourvoiceourcoast.com](http://yourvoiceourcoast.com) or Erina Library before Friday 14 December, or come along to one of our pop up stalls:

**Terrigal Beach Esplanade**

Saturday 24 November  
9am - 1pm

**Terrigal Surf Life Saving Club**

Wednesday 28 November  
4pm - 7pm

[yourvoiceourcoast.com](http://yourvoiceourcoast.com)

