



BUSINESS PAPER

Notice is hereby given in accordance with the *Local Government Act 1993* and *Local Government (General) Regulation 2005* of the below mentioned meeting.

Coastal Management Advisory Committee Meeting

Wednesday, 16 February 2022

Commencing at 4:00 PM

**Shellharbour Civic Centre
Ground Floor Training Room**

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1. Attendance

Record of attendees to be taken at the meeting.

2. Acknowledgement to Country

Shellharbour City Council acknowledges the Traditional Custodians of the Dharawal Country and recognise their continued connection to the land we meet on today. We pay our respects to Elders past, present and emerging and the contribution they make to the life of this city and this region and extend our recognition to their descendants who continue to live on country.

3. Apologies / Introductions

4. Disclosure of Interest

5. Presentations

5.1 NSW Coastal Management Framework

Presented by: Danny Wiecek
 Senior Coast and Estuary Officer
 Department of Planning, Industry and Environment

6. Reports

6.1 Shellharbour Coast and Estuary 2021-2022 Grants (11815789)

To the Chief Executive Officer

Directorate: Amenity and Assets

Group: Built and Natural Environment

Manager: Matthew Apolo – Group Manager Built and Natural Environment

Author: Leslie Reid – Senior Coastal Officer

Summary

The purpose of this report is to provide information to the committee on the recently awarded Coastal and Estuary Grants received in November 2021 which address objectives of Council's adopted Shellharbour Coastal Zone Management Plan (CZMP).

Background

The 2021-22 Coastal and Estuary Grants Program for the Implementation Stream opened in July 2021. Council staff met with Department Planning, Industry and Environment (DPIE) to collaborate on appropriate grant applications to address actions out of the CZMP.

A summary of the successful grant applications are:

Warilla Dune Restoration works (\$91,600 over 3 years)

The restoration of Warilla sand dunes project aims to continue the restoration work to North Warilla beach sand dunes, along Pur Pur Point, Windang Bay and finishing at the Lifeguard Tower near the Warilla Barrack Point Surf Life Saving Club. Restoration work has been on-going at the Warilla sand dunes for a number of years and this project will assist in the continuation of restoration efforts into areas that have not yet been rehabilitated, or that have been unattended to for over a decade. The project will increase the diversity of native species planted as well as increase plant density in areas of dieback to control weeds and blow outs. The project will also target the removal of environmental weeds including asparagus fern and turkey rhubarb.

Reddall Reserve and Elliot Lake Sand Scraping (\$40,000 – less than 12 months)

Shellharbour City Council will be engaging a contractor to perform sand scraping and foreshore nourishment within two coastal estuaries, Elliot Lake and Reddall Reserve (in Lake Illawarra). The purpose of the works is to reduce the impacts of tidal movements and protect the banks and adjacent assets from erosion and destabilisation and to allow foreshore access and recreational improvements.

At Elliot Lake, it is proposed to move approximately 3,914m² of sand to nourish approximately 110m stretch of eroding foreshore, starting foreshore side near LOT: 3 DP: 369806 and finishing foreshore side near LOT: 15 DP: 12780.

At Reddall Reserve, it is proposed to move approximately 2,031.3m² area of sand over to nourish approximately 200metres of foreshore that have been eroding on the eastern end of the reserve.

Beach Monitoring Program – understanding our changing coastline (\$116,500 over 3 years)

This project provides beach monitoring services (BeachStat and CoastSnap) along the Shellharbour Coastline.

CoastSnap is a citizen science platform providing low-cost beach monitoring, relying on crowd-sourced imagery to be collected and submitted by community members.

BeachStat is an image-based beach monitoring system that uses low-cost, automated and self-contained cameras. Ideal for collecting routine, high frequency time-lapse imagery of beaches. When combined with custom-developed suite of analysis tools, can provide time-lapse beach evolution videos; mid-tide and inter-tidal shoreline mapping; beach width analysis; and beach user analysis.

The information gathered will allow Council to monitor and understand any long-term changes to the coastline that occur as a result of the large-scale human interventions, while also capturing baseline data for other areas. Using BeachStat and CoastSnap will provide Council an opportunity to engage with the local community and beach users, to help develop their understanding and value of beach processes and beach management activities.

Financial / Resources Implications

The grant applications address actions within Council's CZMP. Therefore, the grant funding is based on a 1:1 funding agreement, where the State Government will provide \$1 for every \$1 contributed by Council.

The total projects value for the three grants is \$248,100, and \$124,050 is to be funded by Council operations budget.

Legal and Policy implications

Grant Funding Agreements have been signed by Council and returned to DPIE on 28 January 2022. Council are to operate under the terms outlined in the Funding Agreement.

Public / Social Impact

There are multiple public and social impacts that will come from these three grants.

The Warilla Dune Restoration

The suburb of Warilla is highly urbanised. Enhancing dune resilience will contribute to managing coastal hazards which assists to improve community resilience. This will result in reducing the number and size of blowouts, as well as the number and density of weed species. By addressing these coastal hazards now, and improving the resilience of the dune system, Council is reducing the need for future, extensive and expensive rehabilitation work, which can come at a cost to the community and taxpayers. Previous grant funded works to the dune system between 2010-2021 have proven successful and provide an example of intervening at the right time to achieve a successful, cost-efficient result.

Reddall Reserve and Elliot Lake

The public and community will benefit from having restored access to foreshore for usage during high tides, protection of properties and assets subject to erosion concerns, and revegetation and stabilisation of the foreshore.

Coast Snap – Beach Monitoring Program

CoastSnap is a citizen science platform for beach monitoring, which relies on crowd-sourced imagery to be collected and submitted by community members. It is a low-cost beach monitoring technology that turns personal smart phones into powerful coastal monitoring devices. Council will install a simple stainless steel phone cradle overlooking a beach in a location that is easily accessible by the community. Using an instructional sign, a beach visitor is encouraged to place their phone into the cradle, take a photo, and share it to a centralised database via the free CoastSnap App or social media using a QR code and hashtag unique to each station. This collection of community sourced images provides a record of the coastline as it evolves. The technology behind CoastSnap is then capable of creating time-lapse videos of beach evolution and tracking the precise changes in the position of the coastline over time.

Quarterly reports are provided to Council by Coast Snap outlining the results of each location. The information from the reports will be passed on to the community. Additionally, community members are able to login at any time and see a compilation of images previously uploaded to the location and see how their photo compares.

In addition to signage at the location on how to participate in the program, Council would follow an engagement strategy on how to inform the community of the new citizen science project, as well as host tutorials to train the community on how to participate. Initially training sessions will be held, and then following those - helpful 'how-to' videos will be uploaded to Council's website.

In addition to public access to Coast Snap, a dashboard will be provided for the Beach Stat cameras, and the community can access these sites, watch time lapse videos, and mapped shoreline data sets, providing a highly informative engagement experience.

Reports from both Coast Snap and Beach Stat would be provided quarterly and reported back to the Coastal Management Advisory Committee.

Finally, by developing a beach monitoring program will enable Council to be proactive with management decisions, which acts in the best interest of the community and protecting the spaces where community live and play.

Link to Community Strategic Plan

This report supports the following objectives and strategies of the Community Strategic Plan:

- Objective: 2.1 Protects, promotes and enhances its natural environment
- Strategy: 2.1.1 Manage and improve catchments cleanliness, health and biodiversity of creeks, waterways and oceans
- 2.1.2 Deliver plans and programs that enhance and protect biodiversity in our natural areas
- 2.1.4 Facilitate active community engagement in caring for the natural environment

Consultations

Internal

Environment Manager
Manager Asset Planning

External

Department Planning, Industry and Environment (DPIE)

Political Donations Disclosure

Not applicable

Recommendation

That the Coastal Management Advisory Committee receive and note the Shellharbour Coast and Estuary 2021-2022 Grants report.

Approved for Council's Consideration:	Matthew Apolo
Date of Meeting:	16 February 2022

Attachments

Nil

6.2 Shellharbour Open Coast - Coastal Management Program Scoping Study (11815788)

To the Chief Executive Officer

Directorate: Amenity and Assets

Group: Built and Natural Environment

Manager: Matthew Apolo – Group Manager Built and Natural Environment

Author: Leslie Reid – Senior Coastal Officer

Summary

The purpose of this report is to discuss the purpose and objectives of the Scoping Study and the Project Timeline.

Background

What is a Scoping Study?

The Scoping Study documents Stage 1 in the development of a Coastal Management Program (CMP) for Shellharbour's Open Coast. The Stages of the CMP process are provided in Figure 1 below. The Scoping Study will set the scene for Council's coastal planning process leading to the development of a (CMP), as required by the NSW Coastal Management Act 2016 (CM Act 2016).

The Scoping Study will review Shellharbour's progress in managing issues along the coast, develop a shared understanding of the current situation and identify the focus for a new CMP.

What is a Coastal Management Program?

The CMP is a plan for the management of the coastal zone and estuaries. It will set the long-term strategy for the coordinated management of the coast, with a focus on achieving the objects and objectives of the CM Act 2016. Council's CMP will identify coastal management issues and the actions required to address these issues in a strategic and integrated way. It will also detail how and when those actions are to be implemented, their costs and proposed cost-sharing arrangements and other viable funding mechanisms.

The CMP will supersede Shellharbour's Coastal Zone Management Plan (CZMP) 2018 which is due to expire in December 2023. The CMP intends to encompass and build upon the large body of work already carried out with respect to the CZMP and coastal management in Shellharbour, by addressing any existing risks and management gaps.

The CMP will cover Shellharbour's Local Government Area (LGA) coastline from Windang Island in the north to Bass Point in the south, over a distance of 7 km, inclusive of Shell Cove Marina and Elliot Lake. The entrance to Lake Illawarra is located immediately north of Windang Island, and the coastal zone formally extends the length of the Lake foreshore. Lake Illawarra and its foreshore are covered by a separate CMP, and therefore is not included in the Shellharbour Open Coast CMP.

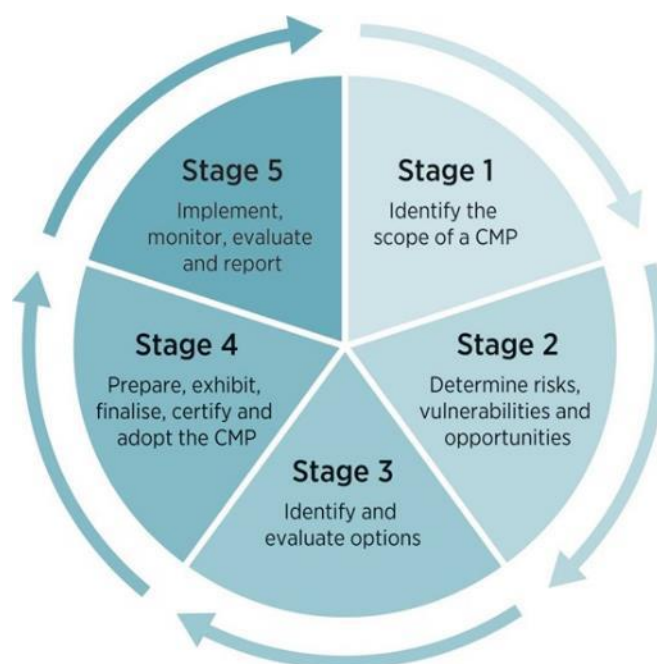


Figure 1 Five Stage Process for developing and implementing a CMP (Coastal Management Act 2016)

What is covered in the Scoping Study?

The Scoping Study is structured to provide the following information:

1. An outline of the strategic context of the CMP.
2. A clear statement of what the Council intends to achieve with the CMP, including a purpose, vision for the coast and management objectives.
3. A description of key management issues to be the focus of the CMP.
4. A review of current coastal management issues and challenges and the effectiveness of existing management arrangements, responses and land-use planning instruments.
5. A description of roles, responsibilities, and governance.
6. A description of where action is required including the results of a first pass risk assessment to identify priority threats and hazards.
7. A stakeholder and community engagement strategy, that outlines how public authorities, community organisations and individuals will be offered appropriate opportunities to be involved in objectives, decisions, and actions for the management of the coast.

8. A preliminary business case for the preparation of the remaining stages of the CMP.
9. A discussion on whether a Planning Proposal is likely to be required to amend the Coastal Management Area or LEP mapping.
10. A forward program with subsequent stages in the preparation of a CMP.

Project Timeline

The CMP – Scoping Study is due to be completed by June 2022. Funding for commencing CMP Stages 2-4 will be applied for later in 2022 and anticipated to be completed within 18 months. The Scoping Study however will outline a forward program and will provide further context to timeframes.

Financial / Resources Implications

In June 2021 a grant was received from NSW Department of Planning, Industry and Environment (DPIE) for Coastal and Estuary Grants Funding of \$53,334.00 for Shellharbour Open Coast Coastal Management Program – Scoping Study. The grant funding is based on a 2:1 funding agreement, where the State Government will provide \$2 for every \$1 contributed by Council.

Legal and Policy implications

Coastal councils are required to prepare a CMP to replace the old CZMP which ceases to have legal effect after 31 December 2023. The funding of this Scoping Study is the first stage of the five-stage process for preparing and implementing a CMP, as per the CM Act 2016.

Public / Social Impact

The residents and Shellharbour community enjoy the benefits of the reserves and beaches on the coast. Moving towards a certified CMP will assist Council in being able to respond to existing and future coastal management challenges and opportunities. It will also assist Council in providing thriving and resilient coastal communities, living and working on a healthy coast, now and into the future.

It is recognised that the development of the CMP will be of high public interest and a comprehensive community communications and engagement plan will be developed. Additionally, the Coastal Management Advisory Committee will have a key role in the development of the CMP.

Identifying and engaging with stakeholders during the Scoping Study provides an opportunity to involve the wider community and stakeholders early in the planning process and raise awareness of CMP development.

The following Stakeholder and Community Engagement activities for the Stage 1 Scoping Study have been proposed:

- A half-day facilitated workshop with Government and Council staff, to introduce the CMP process, define the vision for the coast and assess key issues for the first-pass risk assessment
- An informal drop-in session combined with a workshop for the community where community members can meet with Council, DPIE and the contractor one-on-one to discuss issues important to them. These would then be documented in a community engagement report that would identify and assess key issues to be addressed in the CMP.
- Up to five one-on-one meetings with specific stakeholders to gain insights into the key issues, including traditional custodians and stakeholders, with the list of stakeholders to be agreed with Council at the start of the project.
- A community survey to be posted online during the Scoping Study to gain feedback on key issues and risks in the study area.

CMP engagement will at all times be consistent with the Council's community and stakeholder engagement policy.

Link to Community Strategic Plan

This report supports the following objectives and strategies of the Community Strategic Plan:

Objective: 2.1 Protects, promotes and enhances its natural environment

Strategy: 2.1.1 Manage and improve catchments cleanliness, health and biodiversity of creeks, waterways and oceans

2.1.2 Deliver plans and programs that enhance and protect biodiversity in our natural areas

2.1.4 Facilitate active community engagement in caring for the natural environment

Consultations

Internal

- Environment Manager
- Manager Asset Planning

External

- Department Planning, Industry and Environment (DPIE)

Political Donations Disclosure

Not applicable

Recommendation

That the Coastal Management Advisory Committee receive and note the Shellharbour Open Coast - Coastal Management Program Scoping Study report.

Approved for Council's Consideration:	Matthew Apolo
Date of Meeting:	16 February 2022

Attachments

Nil

6.3. Warilla Seawall Community Consultation (11815786)

To the Chief Executive Officer

Directorate: Amenity and Assets

Group: Asset Strategy

Manager: Daniel Brilsky – Acting Group Manager Asset Strategy

Author: Caitlyn Thomas – Project Delivery Officer

Summary

The purpose of this report is to advise the Coastal Management Advisory Committee of the status of the Warilla Seawall renewal project and associated community consultation.

Background

The Warilla Seawall is 930m in length and was constructed as an ad-hoc response to storm events in 1966 that threatened private properties and sewerage infrastructure. Since 1980, maintenance works have generally involve additional rock fill and strategic placement of rock boulders to stabilise the seawall. When construction of the new wall is finished it will provide improved safety for the high number of community and visitors that frequent the beach and use the shared path. It will also provide coastal protection to this section of the shoreline.

Council has prepared a Lets Chat page to inform the community about the project. Renders have been produced which show what the new seawall will look like at high and low tide. The community also has the ability to vote on the location of beach access stairs via the “vote for stair” section. In addition, once the Review of Environmental Factors has completed the internal review process, it will be made available to the public though the Lets Chat page. **Attachment 1** shows the content that will be displayed on the page.

A letter notifying nearby residents of the Lets Chat page has been distributed to residents. This letter also advises residents of a temporary closure of the shared path that runs along the foreshore. A copy of this letter is provided in **Attachment 2**.

Financial / Resources Implications

Council has obtained \$6.8 million of funding from the Coastal and Estuary Grants Program to rebuild the seawall. Council will fund the additional \$8.2 million. Construction is estimated to commence in Mid-2022.

Legal and Policy implications

Nil

Public / Social Impact

The public will benefit from the renewal of the Warilla seawall. The current seawall does not meet modern engineering standards. The existing wall requires regular maintenance after storm events to repair damaged sections, and make the area safe for the public. The new wall will minimise public safety risks associated with the existing wall. In addition, without the wall renewal, the foreshore area is at risk of damage during storm events. The public will benefit from protection of the amenity of foreshore area.

Link to Community Strategic Plan

This report supports the following objectives and strategies of the Community Strategic Plan:

Objective: 2.3 A city that is connected through places and spaces

Strategy: 2.3.6 Deliver sustainable whole of life asset management for the community

Objective: 3.1 Plans, builds and manages infrastructure for the community

Strategy: 3.1.2 Maintain the City's assets to meet community needs and the delivery of services

Consultations**Internal**

Senior Coastal Officer
Group Manager Built and Natural Environment
Acting Manager Projects

External

Through the REF process and more informal communications a number of external stakeholders have been consulted with. The REF process involved consultation with the following stakeholders:

- DPI (Coastal Systems Unit)
- DPIE (Biodiversity and Conservation)
- DPIE (Crown Lands)
- NSW Environmental Protection Authority (EPA)
- SMEC – Designers
- Royal Haskoning DHV – Coastal Expert Advice

Political Donations Disclosure

Nil

Recommendation

That the Coastal Management Advisory Committee receive and note the Warilla Seawall Community Consultation report.

Approved By

Approved for Council's Consideration:	Daniel Brilsky
Date of Meeting:	16 February 2022

Attachments

1. Attachment 1 – Lets Chat Page – Warilla Seawall – *Page 16*
2. Attachment 2 – Resident Introduction – *Page 19*

Attachment 1 – Lets Chat Page – Warilla Seawall

Home / Warilla Beach seawall renewal

About the project

Council has been successful in securing a State Government grant of 6.8 million dollars for the reconstruction of the ailing seawall, which was first built in the 1950s. The 930 metre wall is eroded and unstable, and as a result will be rebuilt to modern engineering standards to address coastal erosion and public safety concerns.

The renewal of the seawall was included in the council's coastal zone management plan in 2018.

Construction is due to start mid 2022.



Background

The Warilla Seawall is 930m in length and was constructed as an ad-hoc response to storm events in 1966 that threatened private properties and sewerage infrastructure. Subsequent maintenance to upgrade and extend the seawall occurred following storms in 1974, 1975 and 1978. Since 1980, maintenance works have tended to involve additional rock fill and strategic placement of rock boulders to stabilise the seawall. The wall sustained extensive damage in 2016 due to an east coast low. Since then, council has been periodically repairing damaged sections of the wall.

When construction of the new wall is finished it will provide improved safety for the high number of community and visitors that frequent the beach and use the shared path. It will also provide coastal protection to this section of the shoreline.

Timeline

- ✔ **Stage 1**
 Council Engaged BMT Group to prepare a Coastal Zone Management Plan
- ✔ **Stage 2**
 Endorsement of the Coastal Zone Management Plan by the Minister of the Environment. This Plan highlighted the need for further action on the Warilla Seawall.
- ✔ **Stage 3**
 A concept design was developed.
- ★ **Stage 4**
 A Cost-Benefit Analysis was conducted to determine the best way forward for the wall.
- ✖ **Stage 5**
 Construction due to start - estimated mid 2022.
- ✖ **Stage 6 and beyond**
 The planned method of construction to be confirmed once a construction contractor is engaged.

[See less](#)

Proudly Supported by NSW Government's Coastal and Estuary Grants Program.



Existing Seawall

Photos taken at high tide.



Contact Us

Have questions or want to learn more about a project, contact us below:

- Name: Projects Team
- Phone: 4221 6111
- Email: council@shellharbour.nsw.gov.au
- Website: www.shellharbour.nsw.gov.au/

What will the new seawall look like?



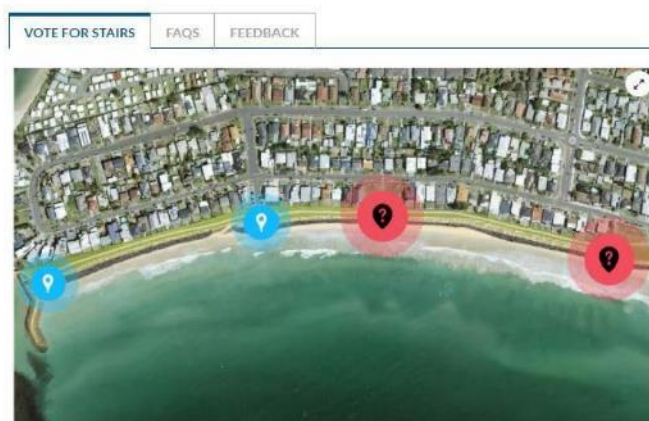
Links

- [Shellharbour Coastal Zone Management Plan](#)
- [NSW Government Funding Media Release](#)

Document Library

Click here to view all artist impressions of what the new wall will look like, including low and high tide.

- [Warilla Seawall Visualisations](#)
PDF (8.41 MB)



There are two stair locations already confirmed. We want your thoughts on the third location of access stairs.

Open

Using the map above please select your preference of either Leggett Park or Strong Reserve.

- Option A - Leggett Park
- Option B - Tom Strong Reserve

Submit

VOTE FOR STAIRS **FAQS** FEEDBACK

FAQs

Why is the seawall being replaced?

The current seawall does not meet modern engineering standards. The existing wall requires regular maintenance after storm events to repair damaged sections, and make the area safe for the public. In addition, current rock is not suitable in the long term as it slowly breaks down under coastal conditions.

What other options for the future of the wall were considered?

In 2020 council engaged a consultant to prepare a Cost Benefit Analysis report to inform its decision marking on the future of the existing revetment. Some of the options considered were:

- Maintain, repair and remove the existing revetment
- Maintain, repair and make safe the existing revetment
- Construct an engineered design revetment
- Beach nourishment

Based on this report it was determined that council would proceed with designing and constructing an engineered revetment.

Are there any environmental impacts and how will they be managed?

Due to the location of the project there will be environmental impacts. Council has engaged an environmental consultant to prepare a Review of Environmental Factors (REF) to determine what the impacts will be and if these impacts will be significant. In addition, the report provides advice on how to manage the impacts. The REF has been prepared and is being reviewed internally by council. The REF will be made available to the public upon completion of this review.

How was the new design developed?

Two options were considered for the new design: rock revetment structure and an engineered wall. An engineered wall was found to exacerbate beach erosion. The current design, rock revetment structure, was selected as it is cost effective and minimises beach erosion.

VOTE FOR STAIRS	FAQS	FEEDBACK
FAQs		
Why is the seawall being replaced?		▼
What other options for the future of the wall were considered?		▼
Are there any environmental impacts and how will they be managed?		▼
How was the new design developed?		▼
What will the new seawall look like?		▲
<p>Like the existing wall, the new seawall will be constructed with large rocks. However, the rocks will be individually placed to interlock with one another. This means that there will be no loose rocks and less gaps between the rocks. The rocks on the outside of the wall will be placed to form a more even slope. Part of the wall will be backfilled with sand and part will be exposed rocks. The amount of exposed rock will vary depending on the surf conditions and will change over time.</p>		
What will the new seawall be constructed from?		▲
<p>The new wall will be constructed from 3 different size ranges of rocks. The first layer will be smaller rocks 25mm to 300mm in diameter. The second layer will be rocks 100kg to 650kg. The outer, visible, layer will be rocks 2t to 4t. The type of rock used will be selected to ensure it does not excessively breakdown in the marine environment.</p>		
What will happen to the existing seawall?		▲
<p>The southern section of the wall will be encapsulated within the new wall. The new wall will be placed over the top of the existing wall. The northern section of the wall will be removed to make room for the new wall. The rocks that are removed will either be reused in the new wall, if they are suitable, or disposed of.</p>		
How will the project be funded?		▲
<p>Council has obtained \$6.8 million of funding from the Coastal and Estuary Grants Program to rebuild the seawall. Council will fund the additional \$8.2 million.</p>		

Who will construct the new sea wall?	▲
Council will be going out to tender to find a suitable contractor to complete the works.	
How long will construction take?	▲
The planned method of construction to be confirmed once a construction contractor is engaged.	
How will I access the beach during construction?	▲
Warilla Beach will be accessible from Tom Strong reserve for the duration of the project. As works progress along the revetment the existing access stairs and ramp will be removed to make way for the new wall. These will be replaced by modern stair access points over the wall.	
Will I be able to access the footpath during construction?	▲
In order to remove the existing rock some sections of the footpath will need to be removed. This is because the rock from the existing wall extends underneath the footpath. Due to the limited width of the foreshore in some locations it may be unsafe to detour pedestrians. Council will be working closely with the construction contractor to ensure that, where possible, detours will be made available. However, for the safety of workers and pedestrians this may not always be possible.	
How will hazardous material on site be managed?	▲
Council has identified some locations along the seawall where it is possible that asbestos containing material will be encountered. As a result of this, council has amended the design of the southern section of the wall to minimise the risk of disturbing this material. The wall will be constructed over the existing wall. This means that the potentially asbestos containing material will be encapsulated by the wall and disturbance will be limited. Council has elected to do this, as it eliminates the need to move the material and risk fibres becoming airborne. Construction of this section of the wall will be supervised by a qualified hygienist to ensure that Safework NSW and NSW Work, Health and Safety Regulations are met and that there is no risk to, the public, workers or the environment.	

Attachment 2 – Resident Introduction

Council Reference: 11814632

2 February 2022

«owners»
«postal_address_In1»
«postal_address_In2»**Administration Centre**
Shellharbour Civic Centre
76 Cygnet Avenue
(Cnr Cygnet & College Avenue)
Shellharbour City Centre NSW 2529**Postal Address**
Locked Bag 155
Shellharbour City Centre NSW 2529
DX 26402 Shellharbour City Centrep. 02 4221 6111
f. 02 4221 6016
council@shellharbour.nsw.gov.au
www.shellharbour.nsw.gov.au**Warilla Seawall Renewal – Resident Notification**

Dear «salutation»,

Shellharbour City Council's Coastal Zone Management Plan (CZMP) was certified by the NSW Government in April 2018. As part of the plan, it was identified that the existing Warilla seawall needed to be assessed and upgraded. Council has been successful in securing State Government funding through the Coastal and Estuary Grants Program of \$6.8 million to fund the project. Council will contribute \$8.175 million to the project.

Council has engaged consultants to complete several studies on the reconstruction of the rock revetment and as a result, a design has been developed. See **Figure 1** for an aerial image of the extent of the new seawall. Council now needs to undertake further studies on the soil composition of the existing foreshore area to finalise the design.

As a safety precaution, during these works, Council will be temporarily closing the shared path that runs along Warilla Beach between Tom Strong Reserve and Elliot Lake, commencing the 9 February 2022, between 8:00am and 2:30pm. It is expected that the works will take 3 days. Traffic control will be in place to notify users of the closure. Access to Warilla Beach from Bucknell Street will be maintained. See **Figure 2** below for an aerial image of the location of temporary footpath closures.

Information on the project is now available on Council's Lets Chat page, including answers to frequently asked questions. In addition, there is an opportunity for community members to have their say on the preferred location of the beach access stairs.

Construction of this project is programed to commence in the middle of 2022. Once the construction contract has been awarded, you will be contacted by a Council project officer with further details. To ensure minimal disruptions a number of mitigation measures will be in place during construction.

For more information visit www.letschatshellharbour.com or contact Caitlyn Thomas, Project Delivery Officer at caitlyn.thomas@shellharbour.nsw.gov.au or on 02 4221 6111.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Ben Stewart".

Ben Stewart
Director Amenity and Assets



Figure 1 – Aerial Image of the new seawall



Figure 2 – Location of temporary footpath closures

7. General Business

8. Next Meeting

Date: 8 June 2022