

## AMENDED ITEM



**Item No:** 5.3  
**Title:** Notice of Motion - Wamberal - North Entrance - Artificial reefs to the Rescue  
**Department:** Councillor

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10 August 2020 Ordinary Council Meeting

Reference: F2020/00039 - D14101537  
Author: Jilly Pilon, Councillor  
Bruce McLachlan, Councillor

Councillors Pilon and McLachlan have given notice that at the Ordinary Council Meeting to be held on 10 August 2020 they will move the following motion:

- 1 That Council note recent proven successful technology designs available to coastal management practices, including incorporating man made reefs and surf groynes, that help limit erosion and assist natural beach nourishment and sand accretion.**
- 2 That Council recognise the successful beach nourishment and protection works carried out by various Queensland Councils, including locations such as Noosa, Maroochydore, Kirra, Currumbin and Palm Beach, that have added additional surfing, fishing, snorkelling, diving and kayaking amenity for their local communities, and tourism as a direct result of the primary beach nourishment design function of these protection measures.**
- 3 That Council note in particular the success of the Narrow Neck Reef project in relation to Wamberal erosion issues, including addition of a new tow in surfing amenity, and the World class Greenmount / Kirra Super bank surfing tourism success story, in relation to the financial and social opportunities available of correct reef and dredge sand placement at North Entrance.**
- 4 That Council via the Chief Executive Officer now act pro-actively to research what additional beach nourishment measures may be added, to current emergency measures undertaken, and long term plans in the pipeline, and provide Councillors with a briefing on their findings.**
- 5 That Council seek a recommendation and report from the Gold Coast Council outlining the success of groynes and the Narrow Neck Reef in conjunction with supporting terminal revetment walls.**
- 6 That Council liaise and share those findings with relevant State and Federal agencies, via Central Coast Parliamentary Secretary Adam Couch, with consideration of including this as part of the Coastal Management Plan to enable the opportunity to seek Grant funding assistance towards additional protective measures, but not at the expense of current emergency works undertaken.**

**5.3 Notice of Motion - Wamberal - North Entrance - Artificial reefs to the Rescue (contd)**

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- 7 That Council consult the public, including key stakeholders, including Wamberal Board riders Club, NSB Board riders Club Wamberal Surf Club, North Entrance Surf Club, Terrigal Surf Club, the Marine Discovery Centre, Central Coast Sea Lions Spear Fishing Club, Central Coast Fishing Community, to an E meeting, via Zoom, to discuss the concept of artificial reefs, and proactively seek community feedback to the concepts.**

**Chief Executive Officer Response**

The Chief Executive Officer considers that this Notice of Motion has legal, strategic, financial or policy implications which should be taken into consideration by the meeting. As a result, the Chief Executive Officer has provided a report in relation to the Notice of Motion. This report is provided as Attachment 1.

**Attachments**

- 1** CEO Response - Notice of Motion - Wamberal - North Entrance - Artificial reefs to the Rescue D14105101

**Title:** CEO Response - Notice of Motion - Wamberal - North Entrance - Artificial reefs to the Rescue

**Department:** Environment and Planning

10 August 2020 Ordinary Council Meeting

Reference: F2020/00039 - D14105101

Author: Luke Sulkowski, Unit Manager, Environmental Management

Executive: Andrew Roach, Acting Director, Environment and Planning



## Summary

This report provides a response to Item 5.3 - Notice of Motion – Wamberal - North Entrance - Artificial reefs to the Rescue.

- 1** *That Central Coast Council note recent proven successful technology designs available to coastal management practices, including incorporating man made reefs and surf groynes, that help limit erosion and assist natural beach nourishment and sand accretion.*
- 2** *That Central Coast Council recognise the successful beach nourishment and protection works carried out by various Queensland Councils, including locations such as Noosa, Maroochydore, Kirra, Currumbin and Palm Beach, that have added additional surfing, fishing, snorkelling, diving and kayaking amenity for their local communities, and tourism as a direct result of the primary beach nourishment design function of these protection measures.*
- 3** *That Council note in particular the success of the Narrow Neck Reef project in relation to Wamberal erosion issues, including addition of a new tow in surfing amenity, and the World class Greenmount / Kirra Super bank surfing tourism success story, in relation to the financial and social opportunities available of correct reef and dredge sand placement at North Entrance.*
- 4** *That Council via the Chief Executive Officer now act pro-actively to research what additional beach nourishment measures may be added, to current emergency measures undertaken, and long term plans in the pipeline, and provide Councillors with a briefing on their findings.*
- 5** *That Council seek a recommendation and report from the Gold Coast Council outlining the success of groynes and the Narrow Neck Reef in conjunction with supporting terminal revetment walls.*
- 6** *That Council liaise and share those findings with relevant State and Federal agencies, via Central Coast Parliamentary Secretary Adam Couch, with consideration of including this as part of the Coastal Management Plan to enable*

***the opportunity to seek Grant funding assistance towards additional protective measures, but not at the expense of current emergency works undertaken.***

- 7 That Council consult the public, including key stakeholders, including Wamberal Board riders Club, NSB Board riders Club Wamberal Surf Club, North Entrance Surf Club, Terrigal Surf Club, the Marine Discovery Centre, Central Coast Sea Lions Spear Fishing Club, Central Coast Fishing Community, to an E meeting, via Zoom, to discuss the concept of artificial reefs, and proactively seek community feedback to the concepts.**

**Staff Comments:**

Council staff, working with the Wamberal Beach Terminal Protection - Project Working Group, in May 2020 engaged NSW Manly Hydraulics Laboratory to undertaking planning, terminal protection concept designs, sand nourishment designs and an updated cost benefit analysis for Wamberal Beach. This project is due for completion in late 2020 and is aimed at assisting the NSW Government, Council, residents and the wider community make a decision on whether a terminal revetment wall and long-term sand nourishment options are feasible for Wamberal Beach and how it may be delivered. It also importantly implements the relevant actions in the certified Gosford Beach Coastal Zone Management Plan. Consultation with stakeholders and the wider community is planned to occur commencing August 2020.

Existing certified Coastal Zone Management Plans (CZMPs), including the Gosford Beaches CZMP will cease to have effect under the Coastal Management Act from the end of December 2021. With the NSW Government Coastal Reforms including the new Act, all NSW coastal Councils are required to develop new Coastal Management Programs with their stakeholders prior to the end of 2021. Development of the new Coastal Management Programs (CMPs) are underway with Stage 1: Scoping Study currently being prepared for the Open Coast and Coastal Lagoons CMP. Staff are required to follow the stages outlined in the Coastal Management Manual prepared by the NSW Government. This includes consultation with the community enabling all stakeholders to participate in long term coastal management for the Central Coast including Wamberal and The Entrance North beaches.

Under Stage 3: 'Identify and Evaluate Options', staff together with stakeholders are required to identify the actions required to address coastal management issues in an integrated and strategic manner. Staff will review a range of options such as artificial reefs and sand nourishment during this stage of the CMP development.

Staff highlight, that should Council resolve to undertake a review of these particular options now, instead of as budgeted with the CMP development process during 2021, then this will result in duplication of cost and effort. Should this occur then staff would need to give greater consideration as to what other planned deliverables for 2020/21 can be dropped from our program in order to better facilitate the delivery of this project. Given most of this area works program is currently driven by grant funds, or legislative requirements, and consideration of groynes, revetment walls and comprehensive consultation will be conducted

as part of the development of the Coastal Management Programs, staff recommend against progressing with a separate investigation into these matters at this time.

Staff note that with regard to the Queensland Gold Coast, the predominant natural sand transport process is 'long shore drift' with sand moving in a northerly direction from south to north. The Tweed Sand Bypass System, the resulting sand nourishment of the Gold Coast beaches and the construction of the rock groynes have all been undertaken to mitigate the effects of the Tweed River twin breakwalls that block the natural sand movement from south to north.

Further information on the history and background to this project can be found at:

<https://www.tweedsandbypass.nsw.gov.au/>

Significant local studies of coastal processes on the Central Coast are contained within the Coastal Zone Management Studies and Plans undertaken by the former Gosford and Wyong Councils. These studies and plans will provide valuable background for the development of new Coastal Management Programs and can be found at:

<https://www.centralcoast.nsw.gov.au/environment/coastlines/coastal-zone-management/coastal-management-northern-coastal-areas>

and <https://www.centralcoast.nsw.gov.au/environment/coastlines/coastal-zone-management/coastal-management-southern-coastal-area>

**Staff Recommendation:**

This Notice of Motion recommends the use of operational resources for a purpose not currently planned or funded as part of the Council's 2020/21 Operational Plan. Given this program of works will be considered as part of the development of new Coastal Management Programs for the Central Coast which, in accordance with legislation, are required to be completed prior to the end of 2021, staff recommend not investigating the matters identified within this Notice of Motion at this time.