



# **CATCHMENTS TO COAST COMMITTEE MEETING**

**13 September 2023**



# COMMUNITY STRATEGIC PLAN 2018-2028

**ONE – CENTRAL COAST IS THE COMMUNITY STRATEGIC PLAN (CSP) FOR THE CENTRAL COAST LOCAL GOVERNMENT AREA**

**ONE – CENTRAL COAST DEFINES THE COMMUNITY'S VISION AND IS OUR ROADMAP FOR THE FUTURE**

**ONE – CENTRAL COAST BRINGS TOGETHER EXTENSIVE COMMUNITY FEEDBACK TO SET KEY DIRECTIONS AND PRIORITIES**

One - Central Coast will shape and inform Council's business activities, future plans, services and expenditure. Where actions are the responsibility of other organisations, sectors and groups to deliver, Council will work with key partners to advocate on behalf of our community.

Ultimately, every one of us who live on the Central Coast has an opportunity and responsibility to create a sustainable future from which we can all benefit. Working together we can make a difference.

## RESPONSIBLE

**WE'RE A RESPONSIBLE COUNCIL AND COMMUNITY, COMMITTED TO BUILDING STRONG RELATIONSHIPS AND DELIVERING A GREAT CUSTOMER EXPERIENCE IN ALL OUR INTERACTIONS.**

We value transparent and meaningful communication and use community feedback to drive strategic decision making and expenditure, particularly around the delivery of essential infrastructure projects that increase the safety, liveability and sustainability of our region. We're taking a strategic approach to ensure our planning and development processes are sustainable and accessible and are designed to preserve the unique character of the coast.

 **Good governance and great partnerships**

**G2** Engage and communicate openly and honestly with the community to build a relationship based on trust, transparency, respect and use community participation and feedback to inform decision making

There are 5 themes, 12 focus areas and 48 objectives

### COMMUNITY STRATEGIC PLAN 2018-2028 FRAMEWORK

All council reports contained within the Business Paper are now aligned to the Community Strategic Plan. Each report will contain a cross reference to a Theme, Focus Area and Objective within the framework of the Plan.

The infographic details the following structure:

- THEME: BELONGING**
  - Focus Area: OUR COMMUNITY (C1-C4)
  - Focus Area: COMMUNITY CONNECTION AND LOCAL IDENTITY (D1-D4)
- THEME: SMART**
  - Focus Area: A GROWING AND COMPETITIVE REGION (C1-C4)
  - Focus Area: A PLACE OF OPPORTUNITY FOR PEOPLE (D1-D4)
- THEME: GREEN**
  - Focus Area: ENVIRONMENTAL WELL-BEING FOR THE FUTURE (C1-C4)
  - Focus Area: INCREASED RAIN WATER RESILIENCE (D1-D4)
- THEME: RESPONSIBLE**
  - Focus Area: GOOD GOVERNANCE AND GREAT PARTNERSHIPS (C1-C4)
  - Focus Area: BELONGING THROUGH INFRASTRUCTURE (D1-D4)
  - Focus Area: SAFE, ACTIVE AND SUSTAINABLE DEVELOPMENT (E1-E4)
- THEME: LIVEABLE**
  - Focus Area: RELIABLE PUBLIC TRANSPORT AND CONNECTIONS (C1-C4)
  - Focus Area: SAFE AND HEALTHY LIVES (D1-D4)
  - Focus Area: HEALTHY LIFESTYLES (E1-E4)



# Meeting Notice

**The Catchments to Coast Committee Meeting  
of Central Coast Council  
will be held Remotely – Online,  
on Wednesday 13 September 2023 at 2:00pm,  
for the transaction of the business listed below:**

## **1 Procedural Items**

- 1.1 Introduction: Welcome, Acknowledgement of Country, Apologies,  
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- 2.6 General Business.....33

Luke Sulkowski  
**Chairperson**

## **1.1 INTRODUCTION: WELCOME, ACKNOWLEDGEMENT OF COUNTRY, APOLOGIES, DISCLOSURE OF INTEREST**

Chairperson

### **Acknowledgement of Country**

We acknowledge the Traditional Custodians of the land on which we live, work and play.


We pay our respects to Elders, past, present and emerging and recognise their continued connection to these lands and waterways.

We acknowledge our shared responsibility to care for and protect our place and people.

## 1.2 PREVIOUS BUSINESS: CONFIRMATION OF MINUTES, REVIEW ACTION LOG

Chairperson

### Attachments

1   MINUTES - Catchments to Coast Committee Meeting - 14 June 2023 D15718639



Central Coast Council  
Catchments to Coast Committee Meeting  
Held Remotely - Online

14 June 2023

## MINUTES

### Attendance

#### Members

Doug Darlington	Absent
Laurie Lewington	Absent
Mike Campbell	Absent
David Mylan	Absent
Ian Carruthers	Present
Troy Gaston (left at 4.03pm)	Present
Marlene Pennings	Absent
Samantha Willis	Present
Graham Hankin	Present
Michael Kip	Present
Adrian Williams	Present

#### External agencies

Angela Halcrow, NSW Department of Planning and Environment	Present
Paul Donaldson, NSW Department of Planning and Environment	Present
Chris Drummond, NSW Department of Planning and Environment	Present

#### Staff

Luke Sulkowski, Unit Manager Environmental Management	Present
James Lawson, Section Manager Environmental Infrastructure	Present
Peter Sheath, Section Manager Bushfire and Flood Risk Management	Present
Ben Fullagar, Section Manager Catchments to Coast	Present
Rachel Callachor, Meeting Support Officer	Present
Angela Russell, Civic Support Officer (from 2.51pm)	Present
Parissa Ghanem, Team Leader Floodplain Management	Present
Dr Alice Howe, Director Environment and Planning	Apology

**Minutes of the Catchments to Coast Committee Meeting 14 June 2023 contd**

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**PROCEDURAL ITEMS**

**1.1 Introduction: Welcome, Acknowledgement of Country, Apologies, Disclosure of Interest**

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The Chairperson, Luke Sulkowski, declared the meeting open at 2.00pm and read an Acknowledgement of Country statement.

Apologies received and members absent without apology were noted. The chairperson called for any disclosures of interest. No disclosures were received

**1.2 Previous business: Confirmation of minutes, review action log**

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The group confirmed the minutes from the previous meeting as noted below, which were distributed to members via email and uploaded to Council's website:

[Catchments to Coast Advisory Committee Minutes – 29 March 2023](#)

Correction to an error in the previous minutes was a reference to timeframes in Item 2.1 reflecting the year 2170, and suggesting that they should have read 2120.

The action log was reviewed with updates recorded (see page 9) .

**REPORTS**

**2.1 Update on Coastal Management**

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Ben Fullagar, Section Manager Catchments to Coast introduced Chris Drummond (DPE) who provided a presentation on the topic of a recent East Coast Low and the coastal effects including a significant ocean anomaly that raised ocean levels and would have generated localised coastal flooding in low lying areas..

Ben provided update on the current status Coastal Management Program status and detailed information regarding Coastal inundation simulator.

Suggestions from the Committee:

- Consider the development of fact sheets and summaries about the various technical studies.
- Look at ways to reach out to engage new people and groups.
- Pop up session – capturing an audience that may not necessarily attend a scheduled/structured drop in session or webinar.

Further updates provided in relation to:

- Websites - Staff are reviewing the content published on different webpages, with a

**Minutes of the Catchments to Coast Committee Meeting 14 June 2023 contd**

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view to consolidate and update the Council website (updated platform), Your Voice Our Coast, Love Our Waterways and Love Central Coast.

- Council has purchased a new drone with RTK GPS survey capability for coastal monitoring. Expression of appreciation of DPE assistance was given.

Comment from Committee member regarding sand nourishment once a seawall at Wamberal is built, highlighting that it is important to consider timelines regarding this process, and a request for the Committee to be kept informed.

**Query –** Regarding ferry running aground during low tide at Ettalong and therefore what is the current status of the dredging program?

**Response –** There should be more information available following MIDO meeting to be held Thursday 15 June.

**Query –** Regarding other vessels using the channel and request for executive summary of the MIDO meeting being held on Thursday 15 June.

**Action:** Summary of MIDO meeting to be provided to Committee members.

Confirmation provided that consultation regarding where to place the sand from the dredging is in its early stages.

**Action:** Transport for NSW (TfNSW) has information on their website regarding tender for Swansea Channel works. Establishment of a similar type page for Ettalong Channel works is to be explored. Council staff to request MIDO consideration of this.

**Query –** Whether a Fisheries representative/s would be present at the meeting tomorrow?

**Response –** Not sure regarding overall attendance, but DPE will be in present and it was noted that this query relates to soft corals, and that this topic is to be addressed.

Update on Terrigal and Coastal Lagoon Sewer Audit and Repairs and comparative data provided for the periods of March and June 2023. This is also available online on YVOC.

**Recommendation**

*That the Committee note the report and that updates be included in the action log.*

**2.2 Update on Flood & Stormwater Management**

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Presentation by Peter Sheath, Section Manager Bushfire and Flood Risk Management

Presentation included:

Flood level information and mapping demonstration via the online mapping tool, with areas shown that were likely impacted as a result of coastal inundation discussed in the previous agenda item. These areas focussed on Woy Woy, Erina, West Gosford and Spencer.



**Minutes of the Catchments to Coast Committee Meeting 14 June 2023 contd**

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**Query** - Regarding any confirmation of these levels, as evidenced by any community complaints?

**Response** – Given the event it was overnight, low community impact but some contact from customers around Pretty Beach.

Update on flood related development controls and flood consideration controls

Information provided and a 'walk through' of flooding information, based on the mapping, in the areas of Holgate/Matcham, Yarramalong and Wyong. Discussion regarding road access and evacuation.

Flow chart of information shared, regarding development approval pathway, and DA / CDC, provided and how this relates to the LEP clause, and how this can be applied, given that CDC's may not be required to assess this.

Discussion regarding 'cut off / isolation' and what is, criteria to define this.

It is also noted that updates on draft sea level rise policy, and information regarding sea level rise scenarios, is ongoing.

**Recommendation**

*The Committee note the report.*

**2.3 Update on Coastal & Catchment Operations**

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Presentation by James Lawson, Section Manager Environmental Infrastructure

Highlighted that there are a number of tools, cameras and monitors which council utilises.

Topics covered included:

- Wrack and algae collection
- Loggerhead turtles
- Tuggerah Lakes and The Entrance Channel update on Council's Sand Transfer Work.

Regarding the sand transfer at The Entrance Channel, a point of difference this year – no dredges in the water, it was more sand transfer and shoreline management, although the program did incorporate some dredging using land based machinery..

Focus restoring Karagi Reserve area and berm.

The works commenced on 27 May 2023, this avoided impacts to Little Terns and weather conditions, as well as Plant and Fleet availability.

Update will be provided to the next Committee meeting including volumetric data and a summary of the program.

**Query** – Anything more permanent than sandbags used to protect the Karagi reserve foreshore being considered?

**Minutes of the Catchments to Coast Committee Meeting 14 June 2023 contd**

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**Response** – No, the sandbags are actually 200 (approx.) eco blocks in a pyramid structure, at the water level.

Comments from the Chair regarding water level and wrack, we have observed that there was an inverse correlation between reports of wrack and the water level – lower level of water can make what is thought to be wrack more noticeable, but in some cases it is attached sea grass leaves. This helped drive higher reports earlier in the year when the lake was <0.1m AHD, and less reports now when the lake has been around 0.4m AHD or higher.

**Recommendation**

*The Committee note the report.*

**2.4 Hardys Bay Stormwater Outlet/RSL Creek**

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Item on the agenda as per request from Committee members Michael Allsop and Adrian Williams.

Adrian Williams – met with Administrator, Mr Rik Hart, on 17 May 2023.  
Adrian believes that the Creek is badly contaminated and gives off an odour.  
In response to a summary of information provided to Mr Hart, information was provided that to Adrian that routine maintenance is undertaken.

Query regarding when was the last inspection and what was the result?  
Noted in 2010/11, concern to former Gosford City Council was expressed about the contamination and levels of pollution in the creek.

It had been requested that Council consider dredging part of the creek and removing some mangroves to get a proper tidal flow.

Staff advised that the date of the last inspection would be taken on notice, primarily as this is undertaken by Council's Infrastructure Operations directorate whom had no staff present in the committee meeting, and that it is understood that the maintenance inspection is focussed on the outlet area of the stormwater network (not water quality or odour etc.).

Information provided regarding mangrove area surrounding the creek, and the further impact on the removal of mangroves may have other, unintended effects, and not affect the overall flow. The invert level at the stormwater outlet was identified as being generally at sea level, and tidally impacted, and Council staff advised that it was not expected dredging or removal of these trees would have any material favourable impact on water flow or quality.

**Query** – Regarding works which were undertaken at Mudflat Creek, can similar work occur here?

**Response** - That that work was done to remediate a flood issue.

**Query** - regarding water contamination and health warning which was issued.

**Response** – Approximately 72% of that catchment is still natural bushland, and it would not be expected that the drain would be significantly impacted by pollution, staff will undertake

**Minutes of the Catchments to Coast Committee Meeting 14 June 2023 contd**

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some further water quality monitoring at the site.

The community observations and concerns regarding odour and water pollution are noted, this may be able to be captured via a water monitoring program. This can also check for issues with sewer works or structures.

Adrian Williams concluded his comments by raising concern on behalf of the community that there is no solution being put forward by Council, and that he is raising the issue in this forum to highlight the problem further.

**Recommendation**

*That Council staff arrange further water testing at this location with results and information to be reported back to the Committee.*

**2.5 General Business**

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Update from the Chair in relation to additional ways for the Committee members to connect and discuss issues as a group, outside of the meeting proper.

Following consideration of options, Council encourages the committee to further consider and mobilise what options may be available to them, however it is noted Council considers this meeting as the official forum for the group, but encourages additional information sharing - doesn't hinder it, but Council not able to facilitate this.

**Follow up from Committee member** – regarding Coastal item on today's agenda, and Communications and Engagement strategy. There was not enough information today from the committee, noting that the CMP is at end of stage 2 – technical reports.

**Response** – Important window between now and the next meeting regarding next steps. Ben Fullagar advised he will reach out directly to the Committee members in relation proposals, availability and rough time frames. This information will be put into the Communications and Engagement strategy.

**Recommendation**

*That updates be included in the action log to reflect the status of these items discussed.*

**The Meeting** concluded at 4.10pm.

Minutes of the Catchments to Coast Committee Meeting 14 June 2023 contd

Action Number	Meeting Date	Action	Responsible Party	Action Update	Status
36 (Tuggerah Lakes)	27/02/2019	A presentation on the Stormwater Management Plan currently under review for the Porters Creek Wetland catchment to be provided at a future meeting	Section Manager Flood Planning and Strategy	2/6/21: Update on Porters Creek Wetland to be standing item on agenda until further notice 8/12/21: No further updates currently from last meeting. Proceeding with trying to get costing prepared for options. Regarding recent motion to remove buffer zones, there were restricted activities in buffer zone, and these have now been removed so activities (mowing) can take place, but must still occur within SEPP. 2/3/22: No further update – cost estimate of works underway 10/05: PS – No further update – cost estimate of works is still underway Investigation regarding funding nexus, Dev. Contributions Plan, revegetation strategy 17/11/22 Council has recently completed the Porters Creek Wetland & Catchment Stormwater Modelling, Revegetation Plan and Monitoring Plan (Cardno 2022). The plan shows that the proposed revegetation will provide little reduction in stormwater flows entering the wetland from developments. Therefore Council is currently investigating other potential stormwater management opportunities for	Completed

**Minutes of the Catchments to Coast Committee Meeting 14 June 2023 contd**

Action Number	Meeting Date	Action	Responsible Party	Action Update	Status
				the wetland. Until such time as a new stormwater management strategy is developed & adopted, all new development will be assessed in accordance with Council's LEP, DCP and Civil Works Specifications. 14/12/22: Update provided at Item 8.	
42 (Brisbane Waters)	24/11/2020	Update on Wamberal Seawall Advisory Taskforce to be standing item on future agendas, with Project Manager to attend meetings.	Section Manager Catchments to Coast	2/6/21: Update on Wamberal Seawall Advisory Taskforce to be standing item on agenda until further notice 1/6/22: It was noted that another meeting of the Advisory Taskforce was to be arranged in the coming weeks. 10/08: standing agenda item. 14/12/22: Update provided at Item 7.	Complete  29/3/23 – Update to be provided as a part of report/discussion at today's meeting. To be removed from action log going forward as the Taskforce is to be wound up.
8	22/09/2021	Updates about Airport Masterplan and related matters to be communicated to members as part of ongoing consultation.	Unit Manager Economic Development and Property	Response from Unit Manager Economic Development and Property emailed to members 14 February 2022 10/05/2022: PS – a verbal update will be provided at the next committee meeting. Any further	Pending – presentation will be requested.  29/3 – No further

Minutes of the Catchments to Coast Committee Meeting 14 June 2023 contd

Action Number	Meeting Date	Action	Responsible Party	Action Update	Status
				updates can be directed to the EPD section (via the AG) 10/08: Update to be provided during the Action Log item at the next meeting.	update on this item.
13	8/12/2021	Staff to get advice from Water and Sewer about works in Avoca Lagoon and report back to members when appropriate.	Section Manager Catchments to Coast	Update to be provided at 2 March 2022 meeting 10/05/2022: BF – a verbal update will be provided at the next committee meeting. Any further updates can be directed to the W&S section (via the AG) 1.9km of sewer re-lined in the Avoca area. 14/12/22: Update provided at Item 7.	Ongoing  29/3/23 – Included on meeting agenda today. (Presentation by Ben Fullagar)
14	08/12/2021	Staff to bring updates on relevant policies and DCP review to group when available.	Section Manager Flood Planning and Strategy	DCP review is still deferred. Update to be provided at 2 March 2022 meeting 2/3/22 – Peter Sheath advised Planning team can't provide update on DCP currently, but Flood Planning team are focusing on updating Flood Policy 10/05: PS – nothing further to report, quick verbal update 1/06: No finalised policies or DCP chapter. Drafted flood policy update – reviewed and additional information. New Sea Level Rise policy. LGA wide chapter in Development Control Plan to be developed. Public exhibition will occur for any policies.	Ongoing  29/3 – Included on agenda today (Peter Sheath)  Query re: re-occurring item or whether it can be completed off the action log. Advice that a further update is anticipated at the next Committee

Minutes of the Catchments to Coast Committee Meeting 14 June 2023 contd

Action Number	Meeting Date	Action	Responsible Party	Action Update	Status
					meeting. Report included in today's agenda.
17	02/03/2022	Info from MIDO regarding scope of dredging works to be shared with members	Section Manager Catchments to Coast	10/05: BF – will reach out to MIDO to get an update (website with contact details). AW to follow up the process for circulating information to members prior to the meeting (and then for the meeting itself) 10/08: BF to follow up circulation of information via the AG. 14/12/22: Update provided at Item 7.	Ongoing 29/3 – Update as included on agenda at today's meeting. Included in today's agenda.
21	02/03/2022	Update on draft Flood Policy to be provided at next meeting	Section Manager Flood Planning and Strategy	10/05: PS – defer item/update to the following meeting – verbal update to be given 10/08: Update to be provided during the Action Log item at the next meeting.	Update to be provided with DCP update. 29/3 – Peter Sheath to provide update - item on agenda at today's meeting and further update to be provided at the next Committee meeting regarding the

Minutes of the Catchments to Coast Committee Meeting 14 June 2023 contd

Action Number	Meeting Date	Action	Responsible Party	Action Update	Status
					work undertaken / progress of the Policy.  Included in todays agenda
24	7/09/2022	Michael Campbell— Request for Jess Preston to attend December Meeting, Ben Fullagar to make contact with Jess Preston.	Ben Fullagar— Section Manager Catchments to Coast	Information on Tuggerah Lakes Riverine and Catchment Health Monitoring Program report was provided by Vanessa McCann, Team Leader Estuary Management to address questions from Michael Campbell.	Completed
25	14/12/2022	Copy of Tuggerah Lakes Riverine and Catchment Health Monitoring Report for Central Coast Council to be distributed to Advisory Group members.	Ben Fullagar— Section Manager Catchments to Coast		29/3— Confirmation that this has been distributed. <b>Completed.</b>
26	29/3/2023	Options in relation to CMP engagement with Community members. Discussion of preferences, time and availability, online, focus group workshops, community drop in sessions – or 'all of the above'?	Ben Fullagar - Section Manager Catchments to Coast	To be clarified by SM Catchments and Coast at next meeting	Included in agenda as part of today's meeting.



Minutes of the Catchments to Coast Committee Meeting 14 June 2023 contd

Action Number	Meeting Date	Action	Responsible Party	Action Update	Status
27	29/3/2023	Distribute Link to committee members for Community Focus Groups for the Wrack Management Strategy when it opens.	Ben Fullagar - Section Manager Catchments to Coast	First workshop to be held 14/6/2023	Completed
28	29/3/2023	YourVoice OurCoast (YVOC) website to be updated with current timeframes and information regarding CMP's.	Ben Fullagar - Section Manager Catchments to Coast	Item to be addressed at today's meeting	
29	29/3/2023	Options to be explored regarding other opportunities for communication and collaboration for the group outside of the meeting format in relation to CMP process.	Luke Sulkowski Unit Manager Environmental Management	Completed – update as a part of General Business in June 2023 meeting.	Completed
30	29/3/2023	Options to be explored in relation to distribution of the presentations prior to the meeting to give the Committee members an opportunity to review the information being presented.	Luke Sulkowski Unit Manager Environmental Management	ON GOING	
31	29/3/2023	A copy of the ' <i>Understanding and Managing Flood Risk</i> ' – Flood risk management guide FB01 to be distributed to Committee members.	Peter Sheath Section Manager Bushfire and Flood Risk	A link to this document was emailed to Committee members	Completed

Minutes of the Catchments to Coast Committee Meeting 14 June 2023 contd

Action Number	Meeting Date	Action	Responsible Party	Action Update	Status
			Management		
32	29/3/2023	Further update and report regarding maintenance work at Canton Beach to be provide at next Committee meeting.	James Lawson Section Manager Environmental Infrastructure	Council crews undertook maintenance works at Canton Beach foreshore and also installed information signage on 6/4/23, just prior to Easter.	Completed
33	29/3/2023	Final request for Committee members to provide any feedback on the proposed Central Coast Conservation Fund Policy and internal restriction for acquisition of Davistown Wetlands.	Committee Membership	Reporting has been completed and item currently on exhibition. Action item completed.	Completed
34	14/6/2023	Queries regarding ferry running aground during low tide at Ettalong and request for information regarding other vessels using the channel and request for executive summary of the MIDO meeting being held on Thursday 15 June.  Action: Summary of MIDO meeting to be provided to Committee members.	Ben Fullagar - Section Manager Catchments to Coast		
35	14/6/2023	Dredging works - Transport for NSW (TfNSW) has information on their website regarding tender for Swansea Channel works. Establishment of a similar type page for Ettalong Channel works is to be explored.	Ben Fullagar - Section Manager Catchments to Coast		

Minutes of the Catchments to Coast Committee Meeting 14 June 2023 contd

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Action Number	Meeting Date	Action	Responsible Party	Action Update	Status
		Action: Council staff to request MIDO consideration of this.			

**2.1 ETTALONG DREDGING UPDATE FROM TRANSPORT NSW - MIDO**

Dave Hopper

**Attachments**

*Nil.*

## **2.2 HYDROCARBONS IN TUGGERAH LAKES**

Doug Darlington



**Item No:** 2.3  
**Title:** Update on Flood & Stormwater Management (Standard Item)  
**Department:** Environment and Planning

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13 September 2023 Catchments to Coast Committee Meeting

Reference: F2021/00832 - D15803753  
Author: Peter Sheath, Section Manager, Flood Strategy and Planning  
Manager: Luke Sulkowski, Unit Manager Environmental Management  
Executive: Alice Howe, Director Environment and Planning

## **Recommendation**

*The Committee note the report.*

## **Report purpose**

To provide an update on the following flood and stormwater management activities:

1. New Flood Risk Management Manual
2. Update on Planning Instruments related to properties that become isolated during flooding
3. Update draft Sea Level Rise Policy and Flood Policy (Action 21)
4. Status of current projects
5. Update on other grant funded projects
6. Flood forecasting – Tuggerah Lakes and Hawkesbury River

## **Report**

### **1. New Flood Risk Management Manual**

On 30 June 2023 a new suite of nine documents was released by the NSW Government that relate to the management of flood liable land.

*The Flood risk management manual: the policy and manual for the management of flood liable land*, and its toolkit of guidelines (dated 30 June 2023), support the implementation of the NSW Flood Prone Land Policy. This has replaced the previous 2005 manual and is now considered the NSW Government's *manual relating to the management of flood liable land* in accordance with Section 733 of the *Local Government Act 1993*. Section 733 provides Council with ongoing indemnity for decisions made and information provided in accordance with the manual.

Angela Halcrow, our local representative from the NSW Department of Planning and Environment, Environment and Heritage Group, has provided us with a Frequently Asked Questions document (Attachment 1), which includes links to each of the documents.

The documents can also be found at this link:

<https://www.environment.nsw.gov.au/research-and-publications/publications-search/flood-risk-management-manual>

## **2. Update on Planning Instruments related to properties that become isolated during flooding**

Council officers have been working on a mechanism by which we can apply the NSW Government's proposed amendment to the *Central Coast Local Environment Plan 2022*. This proposal is to insert a special flood considerations clause 5.22, which is likely to occur in the next few months. The main change will be that the scope of clause 5.55 special flood considerations would be extended to apply to:

- development that is not sensitive or hazardous on land that the consent authority considers that, in a flood, may pose a particular risk to life and where people may need to evacuate, or where there are other safety concerns.

Under this new clause consent authorities must consider access and evacuation requirements for development applications or planning proposals. For example, considering the risk associated with the need for emergency services to access the property (such as a medical emergency) or the risk associated with residents themselves attempting to either access or leave the property during flooding. There are many examples of land that becomes isolated, such as existing communities at Yarramalong or Dooralong.

Council staff propose to implement this for incoming development applications within the revised Central Coast Development Control Plan 2022 chapter. We propose to produce mapping that will define Flood Planning Constraint Category (FPCC), which is like our existing Flood Planning Precinct Mapping, available on Council's online mapping. The proposed FPCC definitions are as per the advice in one of the new flood risk management guideline documents: Understanding and managing flood risk (Appendix A1, p.51), FPCC2 includes both low flood islands and high flood islands (pp.52-53).

<https://www.environment.nsw.gov.au/-/media/OEH/Corporate-Site/Documents/Water/Floodplains/flood-risk-management-understanding-230229.pdf>

However, the problem with how to apply this for the case of complying development has not been resolved. Discussions have been held with NSW Government staff from the NSW Department of Planning and Environment, Resilience and Urban Sustainability Group. They have advised that they are carrying out an audit of several State Environmental Planning Policies (SEPPs), which are all requiring some amendments to properly implement the new flood manual. So, it appears that it will take some time for this to be resolved.

In the interim, Council staff have recommended that there may be an opportunity for a work-around: to update the mapping that shows land parcels that are local exclusions from the SEPP (Exempt and Complying Development Codes) 2008. This will require development applications

## **2.3 Update on Flood & Stormwater Management (Standard Item) (contd)**

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for these land parcels to come to Council as the consent authority, rather than being determined as complying development via a private certifier. There are presently some parcels in the coastal zone identified this way in the former Wyong LGA in the following link:

<https://www.planningportal.nsw.gov.au/publications/environmental-planning-instruments/state-environmental-planning-policy-exempt-and-complying-development-codes-2008>

### **3. Update draft Sea Level Rise Policy and Flood Policy (Action 21)**

On 31 July 2023 an internal workshop was held to discuss the proposed sea level rise policy. A decision was made at that time to combine the sea level rise policy with the flood policy. This work is underway.

### **4. Status of current projects**

Woy Woy FRMSP:

- Report to Council prepared seeking adoption of the final risk management study and plan (27 June 2023 Council meeting)

Tuggerah Lakes Flood Study Review:

- Stage 1 complete – data collection and community consultation
- Stage 2 ongoing – hydrologic and hydraulic modelling (nearing completion)

Somersby and Kariong Catchments Overland Flood Study:

- Contract awarded
- Stage 1 underway - data collection and community consultation

Narara Creek FRMP

- Consultant is updating the draft Plan based on Council and DPE feedback.
- A new timeline has been agreed with the consultant with the report to be finalised by December.

### **5. Update on other grant funded projects**

On 18 August 2023 the Federal Local Government Grant projects were awarded. Council staff will now consider resourcing requirements to plan for the delivery of these projects. The projects include:



## 2.3 Update on Flood & Stormwater Management (Standard Item) (contd)

### *Federal Local Government Recovery Grant (March 2022 Round)*

Expansion of flood depth indicator network
Porters Creek Flood Study
Flood Education Officer

### *Federal Local Government Recovery Grant (July 2022 Round)*

Development of flood forecasting tool for Wyong River catchment
LGA wide scoping study for critical locations for installation of flood valves
LGA wide audit of flood levees and levee effectiveness
LGA wide scoping study for installation of debris traps
LGA wide scoping study for automated flood warning road signage
Portable variable message signs to be deployed to flooded roads
Install 'road floods' signage at Blackwall Road Woy Woy

There are also several other outstanding grants, these include:

### *NSW Floodplain Management Program (2023-2024)*

Mangrove Ck & Mooney Mooney Ck Flood Study
Feasibility Study Davistown Foreshore Barrier
Lower Hawkesbury FRMS&P
Chittaway Climate Change Adaptation Study

### *NSW Flood Recovery and Resilience Grant Program*

LGA Wide Scoping Study for Voluntary House Raising Scheme
Burns Road Boom Gates
Davistown Foreshore Barrier
Empire Bay Foreshore Barrier

## 6. Flood forecasting – Tuggerah Lakes and Hawkesbury River

Tools have been developed to understand the likely flood impacts in these areas. Details will be provided at the meeting.

### **Financial Considerations**

At its meeting held 19 October 2020, Council resolved the following:

*1108/20 That any motions put before Council for the remainder of this term of Council that have financial implications require the Chief Executive Officer to provide a report on how those additional costs will be met.*

The following statement is provided in response to this resolution of Council.

## **2.3 Update on Flood & Stormwater Management (Standard Item) (contd)**

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This report is provided as information to members of the committee and does not contain any financial implications. The programs it describes are included in Council's adopted 2022-2023 budget.

### **Link to Community Strategic Plan**

Theme 4: Responsible

### **Choose Focus Area**

G-F4: Address climate change and its impacts through collaborative strategic planning and responsible land management and consider targets and actions.

### **Risk Management**

There are no material risks arising from the recommendations of this report.

### **Options**

The report is for the information of the committee only. No alternative options are provided.

### **Attachments**

*Nil.*



**Item No:** 2.4  
**Title:** Update on Coastal & Catchment Operations  
(Standard Item)  
**Department:** Environment and Planning

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13 September 2023 Catchments to Coast Committee Meeting

Reference: F2021/00832 - D15803764  
Author: James Lawson, Section Manager. Environmental Infrastructure  
Manager: Luke Sulkowski, Unit Manager Environmental Management  
Executive: Alice Howe, Director Environment and Planning

## **Recommendation**

***That the information be noted***

### **Report purpose**

To provide information on the Coastal and Catchment Operations to the Catchments to Coast Committee.

### **Executive Summary**

This report to the Catchments to Coast Committee provides information on the following projects:

- Wrack and Algae Collection
- Beach Maintenance

### **Background**

This report provides an update on Council's Tuggerah Lakes wrack and algae collection program, as well as Council's beach maintenance activities.

### **Current Status**

The report provides a status report on the wrack and algae collection, and on general beach maintenance activities.

### **Report**

#### Wrack and Algae Collection

Wrack and algae collection includes the requirement to improve public amenity of the shoreline, maintain and enhance the health of the lake ecosystem, and reduce social impact of wrack and algae on public and private foreshores in the Tuggerah Lakes. Central Coast

## **2.4 Update on Coastal & Catchment Operations (Standard Item) (contd)**

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Council's Wrack and Algae Collection is undertaken by Australian Environmental Services under contract until 29 August 2024. Council staff also assist by removing wrack and algae from drying pads and transporting to Council's Green Waste facility. A total of 7434m<sup>3</sup> of material has been collected during 2022/23, compared to the KPI target of 5000m<sup>3</sup>. During July 2023, 581m<sup>3</sup> was collected. A presentation will be provided to the committee showing the annual cumulative volume of wrack removed by month from 2013/14 to present.

### Beach Maintenance activities

Council staff have taken the opportunity during the cooler Winter months and prior to the Summer beach cleaning season which commences in mid-September 2023, to undertake some essential beach maintenance and inspection works at several beaches including Terrigal, Killcare, Avoca, The Entrance North and Shelly. These works have included inspection and maintenance of beach accessways, including repair of fences, vegetation pruning, weed treatment, graffiti, and rubbish removal.

### **Consultation**

Consultation in relation to the wrack and algae collection program has been undertaken with users of the Tuggerah Lakes estuary including the local residents and community organisations, as well as relevant State Government agencies.

### **Financial Considerations**

At its meeting held 19 October 2020, Council resolved the following:

*1108/20 That any motions put before Council for the remainder of this term of Council that have financial implications require the Chief Executive Officer to provide a report on how those additional costs will be met.*

The following statement is provided in response to this resolution of Council.

The recommendations of this report do not have any material financial implications for Council.

### **Link to Community Strategic Plan**

Theme 3: Green

### **Choose Focus Area**

G-F1: Protect our rich environmental heritage by conserving beaches, waterways, bushland, wildlife corridors and inland areas, and the diversity of local native species.

**Risk Management**

N/A

**Options**

N/A

**Attachments**

*Nil.*



**Item No:** 2.5  
**Title:** Update on Coastal Management (Standard Item)  
**Department:** Environment and Planning

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13 September 2023 Catchments to Coast Committee Meeting

Reference: F2021/00832 - D15803771  
Author: Ben Fullagar, Section Manager Catchments to Coast  
Manager: Luke Sulkowski, Unit Manager Environmental Management  
Executive: Alice Howe, Director Environment and Planning

## **Recommendation**

***That the Committee note the report***

### **Report purpose**

To provide an update on Council's coastal and estuary management activities and programs.

### **Executive Summary**

The report outlines Council's progress on the following:

- Coastal Management Programs (CMPs)
- Wamberal seawall (action 42)
- Community and Stakeholder Reference Group (CFG) for the Wrack Management Strategy
- Coastal and estuary monitoring
- Transport for NSW – Maritime Infrastructure Delivery Office (MIDO) regarding Ettalong dredging works (action 17)
- Works in Terrigal and Lagoon catchments undertaken by Council's Water and Sewer Directorate (action 13).

### **Update on Coastal Management Programs (CMPs)**

An update on progress for the following CMPs will be presented during the committee meeting:

- Hawkesbury Nepean CMP (with five other partner councils);
- Open Coast CMP;
- Coastal Lagoons CMP;
- Tuggerah Lakes CMP; and
- Lake Macquarie CMP (with Lake Macquarie City Council).

**Wamberal seawall updates**

Council is continuing to assist with development of a Wamberal seawall solution. This includes working with residents as a partner and public land owner for preparation of a development application for terminal protection works. Geotechnical investigation along Wamberal beach have recently been completed as part of the engineering design requirements. Council has also put together a webpage of information for the community on the development application and assessment process. See

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

**Update on Community and Stakeholder Reference Group for Tuggerah Lakes CMP Wrack Management Strategy**

Council, with consultant Alluvium, has now completed the three Community Focus Group workshops for Wrack Management to provide input into a new wrack management strategy. Alluvium has now taken on board the input and recommendations for drafting the new Wrack Management Strategy that will be presented to the community and agency stakeholders for consultation.

**Update on Coastal and Estuary Monitoring**

Council undertakes a range of environmental monitoring of the region's estuaries and coastlines. These include:

- Aerial monitoring via drone, satellite and aerial photography;
- Surface monitoring via fixed cameras, Coastsnap and mobile phones; and
- Water quality monitoring – Beachwatch, audits and new MER program for 2023/24.

An update will be presented at the committee meeting.

**Information from Transport for NSW - Ettalong channel dredging works (action 17)**

Transport for NSW Maritime Infrastructure Delivery Office (MIDO) is progressing the planning for dredging of the Ettalong channel later in 2023. See Project Page here:

<https://www.transport.nsw.gov.au/projects/current-projects/ettalong-channel-dredging>

Staff from MIDO have been invited to provide an update at the committee meeting.

**Update from Water and Sewer on works in Terrigal and Lagoon catchments (action 13)**

Council's Water and Sewer Directorate continues to assess and repair/reline sewer infrastructure in the Terrigal Beach and Coastal Lagoon catchments. An update on the latest inspection and relining statistics will be presented at the committee meeting.

**Financial Considerations**

At its meeting held 19 October 2020, Council resolved the following:

*1108/20 That any motions put before Council for the remainder of this term of Council that have financial implications require the Chief Executive Officer to provide a report on how those additional costs will be met.*

The following statement is provided in response to this resolution of Council.

This report is provided as information to members of the committee and does not contain any material financial implications. The programs described in this update are included in Council's adopted 2022-2023 budget.

**Link to Community Strategic Plan**

Theme 3: Green

**Choose Focus Area**

G-E2: Improve water quality for beaches, lakes and waterways by minimising pollutants and preventing litter entering our waterways.

**Risk Management**

N/A

**Options**

N/A

**Attachments**

*Nil.*



## 2.6 GENERAL BUSINESS

### **Attachments**

Nil