

Minutes



Catchments to Coast Advisory Committee

Date: 1 June 2022

Time: 2.00pm – 4.30pm

Location: Microsoft Teams

Chairperson: James Lawson, Unit Manager Environmental Management (Acting)

Coordinator: James Lawson, Unit Manager Environmental Management (Acting)

Attendance

Members:

Michael Alsop

Michael Campbell

Ian Carruthers

Doug Darlington

Troy Gaston

Graham Hankin

Andrew Jones

Michael Kilp

Laurie Lewington

David Mylan

Marlene Pennings

Adrian Williams

Sam Willis

Status:

Present

Present

Present

Apology

Apology

Present

Absent

Present

Absent

Absent

Absent

Present

Present

External agencies:

Phillip Buchanan, Department of Planning and Environment (DPE)

Present

Paul Donaldson, Department of Planning and Environment (DPE)

Absent

Richard Murphy, Department of Planning and Environment (DPE)

Present

Armaghan Severi, Manly Hydraulics Laboratory

Present

Matthew Phillips, Manly Hydraulics Laboratory

Present

Bronson McPherson, Manly Hydraulics Laboratory

Present

Staff:

Dr Alice Howe, Director Environment and Planning

Present

James Lawson, Unit Manager Environmental Management (Acting)

Present

Mathew Barnett, Section Manager Environmental Infrastructure

Present

(joined approx. 2.25pm)

Ben Fullagar, Section Manager Catchments to Coast

Present

Peter Sheath, Section Manager Flood Planning and Strategy

Present

Parissa Ghanem, Team Leader Floodplain Management

Apology

Vanessa McCann, Team Leader Estuary Management

Absent

Ashley Kelly, Senior Science Communicator Catchments to Coast

Present

Nick Tarasenko, Coastal Management Office Catchments to Coast
Rachel Callachor, Meeting Support Officer

Present
Present

1 Introduction

2.04pm

The chairperson welcomed the group and completed an Acknowledgement of Country.

Apologies received and members absent without apology were noted.

It was noted Luke Sulkowski is acting in a different role at Council. James Lawson is Unit Manager Environmental Management (Acting) and will be the chairperson/coordinator of the group while in this position.

Dr Alice Howe was in attendance and introduced herself to the group, providing background on her history and looks forward to a good working relationship with the Committee.

The chairperson called for any disclosures of interest. None were received.

2 Previous business

2.10pm

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 meeting held 2 March 2022](#)

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

3 Update on Tuggerah Lakes Entrance Management Study

2.30pm

Presentation by Manly Hydraulics Laboratory (MHL) staff, detailing the work undertaken, including a summary of the literature review, historical data analysis, modelling analysis, Interim Entrance Management Options Assessment and Interim Entrance Management Procedure. MHL also provided details on the monitoring and real-time decision supports tools including the MHLFIT tool.

Action: Presentation to be distributed to Advisory Group members.

4 Update on coastal management

3.05pm

Presentation by Ben Fullagar. The presentation included the following key topics:

- Summary of the Coastal Management Programs (CMP's) and 'Where we are up to'.

- Overview of studies underway:

Hawkesbury Nepean CMP – stage 2 studies underway.

- Abridgement Report – by Alluvium - 90% draft report submitted to project team for review
- Erosion Study – field work has been completed. 45 locations across the HNR system assessed including Patonga Creek, Bar Point, Spencer and Mangrove Creek.
- Pittwater beach recession study – WRL awarded contract.
- Tidal inundation study – Rhelm awarded contract. Preliminary data compilation and review tasks are under way.
- Inaugural HNR CMP newsletter was circulated in January. Subscribe to the mailing list via the website - <https://hawkesburynepeancmp.org/>

Open Coast and Coastal Lagoons CMP - Stage 2 studies underway.

- Coastal Hazard Definition Study - New Coastal Hazard Mapping
Awarded to Bluecoast consultants. Underway with data compilation at present.
- Avoca Lagoon Estuary Processes Study
DPE Science Unit well underway obtaining 12 months of data.
- Social and Recreational Activities Assessment
Awarded to *VisionEnvironment*. Site inspections completed and data compilation underway.
- Coastal Lagoons Water Quality & Infrastructure Investigation
Brief being compared with Water and Sewer program of investigations once the IPART determination is finalised before settling on scope.
- Community and Stakeholders Consultation - Stage 2
Late 2022 – see www.yourvoiceourcoast.com/waterways for updates and registering for focus groups.
- Completion of Stage 2 studies scheduled for late 2022.

Update on the Tuggerah Lakes Estuary Coastal Management Program

Multiple stakeholder and community engagement opportunities

- Register to participate in Community Working Groups at <https://www.yourvoiceourcoast.com/waterways>
- Project specific focus groups for Entrance Management, Wrack Management and overall CMP development
- Other tools - eNews, events, pop-ups, webinars

Lake Macquarie CMP

- Being prepared by Lake Macquarie City Council to incorporate the southern parts of Lake

Macquarie that are within CCC LGA.

- Currently undertaking Stage 3. Stage 1 and 2 has been completed and were able to use results of recent coastal hazard studies. Also undertook three additional Stage 2 studies.
- Council staff participated in the newly re-formed Lake Macquarie Coastal Zone Management Committee meeting in May and also liaise with staff from Lake Macquarie City Council as part of the CMP development.
- See <https://shape.lakemac.com.au/coastal> for further information and copies of Stage 2 studies.

Wamberal Beach Terminal Protection (Seawall) and Sand Nourishment - Investigation and Concept Design

Project studies completed:

- Finalised Cost Benefit Report and was open for comment till 20 March.
- Phase 2 community engagement outcomes.
- Stage 5 monitoring website released
- Engineering Design Guidelines
- Report to Council on outcomes of engagement and way forward.

<https://www.yourvoiceourcoast.com/wamberalerosion>

Update on the Wamberal Seawall Advisory Taskforce

Copy of Terms of Reference and minutes:

<https://www.centralcoast.nsw.gov.au/council/meetings/wamberal-seawall-advisory-taskforce>

- Previous meeting held 17 Feb 2022.
- Term of Reference updated and term extended with quarterly meetings.
- Project updates on engagement, MHL studies and CBA report,
- Sand nourishment opportunities,
- Land tenure issues being investigated by DPIE- Crown Land

Next meeting was scheduled for late May 2022, this is yet to be confirmed but expecting updates in the coming weeks.

Tuggerah Lakes Entrance Management Strategy by MHL

- Stages 1 – 4 completed. Stage 5 under review
- Decision support tools currently under development. Beta version available to staff

- Key messages:

- * Flood risk cannot be eliminated
- * Flood level reductions are expected to be modest, between 0.1-0.3m
- * Largest reductions occurring only during 'closed' entrance conditions, which are quite rare and associated with droughts

Next steps:

- * Stage 5 progress meeting scheduled
- * Seek comments from relevant agencies
- * Test decision support tools

Update on Entrance Condition Classification and Dynamic Management Response.

Tuggerah Lakes Entrance Dredging Grant Project and Ettalong Channel Dredging Update

Update on Project workplan, including The Entrance hydrographic survey.

The Entrance North - Waste/ACM Issues

Council is currently working with landowners, NSW Crown Lands and DPE on exposed building waste with ACM at The Entrance North. The area has advisory signage warning the public to keep clear.

Ashley Kelly presented the Project Highlights for the Tuggerah Lakes Environment Restoration Fund The presentation included the following key topics:

Action: Presentations to be distributed to Advisory Group members.

5 Update on coastal and catchments operations

3.34pm

Presentation by Matthew Barnett. The presentation included the following key topics and summaries of:

- * Wrack collection
- * Stormwater Quality Improvement Devices (SQID) – assets across the LGA
- * Coastal Operations – March/April flood clean up

It was noted the majority of work in the LGA was undertaken at Southern beaches – Umina, Ettalong, Patonga and Kilcare. Over 1366 tonne of debris collected.

* 5 leather back turtles were retrieved from Central Coast Beaches along with numerous livestock. Council met with all the requirements to efficiently record, notify and remove the carcasses. Multiple external agencies were involved for scientific research, dissection for displays

with NPWS, Taronga Zoo for Necropsy and Sydney Museum.

* Little Tern Conservation Project 21/22 – Council named as finalist in the *NSW Local Government Excellent Awards 2022*.

* Beach access infrastructure damage and closures and CLIRP \$2.45m Grant Submission/

* DPIE Drum line installation

* Summary of Lagoon Openings March to May 2022, Cochrane Lagoon (5/4/22) and Terrigal Lagoon (8/4/2022, 10/5/2022 and 13/05/2022)

Thank you given to all the organisations involved in the interagency efforts for this work.

Action: Presentation to be distributed to Advisory Group members.

6 Update on flood and stormwater management

3.45pm

Presentation by Peter Sheath. The presentation included the following key topics and updates:

* Update on Outstanding Action items:

* Status of Grant Funded projects

* Current Grant funded projects and unsuccessful applications

(Unsuccessful grant application: Burns Road, Ourimbah Boom gates)

Questions regarding Committee member regarding Henry Street – 0.9m flood level – street is inundated and differs compared to what is shown on flood map.

Council staff provided further information regarding how the maps are compiled, using aerial survey data, it is good for hard surfaces like roads. Additionally, water levels can be affected by winds off the lake. Further enquiry regarding: how the general public has access the maps

Council staff advised that this is a piece of that is being worked on, as the maps have only been produced in the last 2 months and do want to use these resources to educate the public

Some further discussion re: weather warnings and specifically regarding Berkeley Vale during flood event. Confirmation that the Bureau of Meteorology (BoM) issues warning initially. Other agencies, such as SES, then uses this information to form their response and decide what to do.

Action: Presentation to be distributed to Advisory Group members.

- Question from Committee member regarding Council's position spraying in catchment, around drainage areas, with glyphosate. Specifically noting its effect on frog populations and small fauna in those drainage areas and the catchments. Previously spraying has ceased and there was 'whipper snipper' but the spraying has re-commenced.

Response and comments from Matthew Barnett: Council does work off the pesticide notification plan <https://www.centralcoast.nsw.gov.au/environment/environmental-programs/environmental-management> for work in table drain, creeks and waterways. CCC has a 'Waterways Protection License' from the Environmental Protection Authority (EPA). This license involves using only the specified chemicals, by qualified operators, and a register and complaints handling system submitted each year.

It is noted that spraying may have increased due to weather as well.

Action: Matthew to provide links and details as referenced above, for inclusion in the minutes document, and happy to take any further questions of the Committee.

- Question from Committee member regarding Adaptation Planning Grant. Previously Council was not successful. Can you re-apply? Council staff indicated that further information will be provided at the next meeting.

Response and comments from Council staff: Properties on Geoffrey Road, Chittaway Point. Lost power, due to pillar boxes being submerged

Information provided regarding a new standard (implemented by Ausgrid) where by power supply to the house is distributed down from power line, wiring code, into pillar box (green plastic device) power then goes underground to house, previously a draped powerline from cable into eaves.

New residential developments that have this new configuration, then result in Ausgrid shuts down power to the street until the water recedes.

Noted that it is an issue state-wide, not just locally, and needs to be investigated further.

Comment that State Emergency Services are not allowing temporary power supply – road still underwater, and Ausgrid denied access as well, which increases power outage by another 6/7 days

- Question from Chair regarding the mode/method of meetings. As a comment, he likes mixed mode, good for presenting
Other members prefer hybrid, but note the arrangement might need to change over time – there may be some benefits of a more interactive mode and being face to face for some discussions.

Action: Closer to time of next meeting (7 September 2022) can Committee members please advise *Advisory Groups* staff via email (a prompt will be sent) their preferred mode of meeting - *Teams* or hybrid model.

Meeting closed at 4.30pm

8 Close

Next meeting: 7 September 2022
2pm – 5pm

Action log

Catchments to Coast Advisory Committee



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	<p>2/6/21: Update on Porters Creek Wetland to be standing item on agenda until further notice</p> <p>8/12/21: 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</p> <p>2/3/22: No further update – cost estimate of works is underway.</p> <p>10/05/22: Peter Sheath – No further update – cost estimate of works is still underway Investigation regarding funding nexus, Dev. Contributions Plan, revegetation strategy</p>	Ongoing
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	Ongoing

Action log

Catchments to Coast Advisory Committee



Action Number	Meeting Date	Action	Responsible Party	Action Update	Status
				1/6/22: It was noted that another meeting of the Advisory Taskforce was to be arranged in the coming weeks.	
2	2/06/2021	Members to be notified once MHL reports for Tuggerah Lakes Entrance Management Study are available.	Section Manager Catchments to Coast	<p>Link to Stage 1 report shared via email 13/9/21.</p> <p>Further reports will be uploaded as available.</p> <p>10/05/22: BF – MHL will present at the next committee meeting</p>	Pending
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	<p>Response from Unit Manager Economic Development and Property emailed to members 14 February 2022</p> <p>2/3/22: Members requested this remains a standing item, given relevance to Porters Creek Wetland</p> <p>10/05/2022: PS – a verbal update will be provided at the next committee meeting. Any further updates can be directed to the EPD section (via the AG)</p>	Pending

Action log

Catchments to Coast Advisory Committee



Action Number	Meeting Date	Action	Responsible Party	Action Update	Status
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	<p>Update to be provided at 2 March 2022 meeting</p> <p>2/3/22: Ben Fullagar advised update not available yet but will follow up and distribute to members out of session</p> <p>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)</p> <p>1.9km of sewer re-lined in the Avoca area.</p>	Pending
14	8/12/2021	Staff to bring updates on relevant policies and DCP review to group when available.	Section Manager Flood Planning and Strategy	<p>DCP review is still deferred.</p> <p>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</p>	Pending

Action log

Catchments to Coast Advisory Committee



Action Number	Meeting Date	Action	Responsible Party	Action Update	Status
				<p>10/05/2022: PS – a verbal update will be provided at the next committee meeting</p> <p>No finalised policies or DCP chapter. Drafted flood policy update – reviewed and additional information. New Sea Level Rise policy.</p> <p>LGA wide chapter in Development Control Plan to be developed.</p> <p>Public exhibition will occur for any policies.</p>	
15	8/12/2021	Staff to revisit action relating to stormwater basin at Kangy Angy rail facility.	Section Manager Flood Planning and Strategy	<p>Staff have followed up with TfNSW multiple times and received no response.</p> <p>10/05/2022: PS – multiple requests were made to TfNSW to speak on the issue, to which no response has been received.</p> <p>Overview of the item and interest around the facility.</p> <p>Ground water , water quality.</p>	Pending

Action log

Catchments to Coast Advisory Committee



Action Number	Meeting Date	Action	Responsible Party	Action Update	Status
16	2/3/2022	FAQ sheet and info about engagement sessions at Avoca Lagoon to be shared with members.	Section Manager Catchments to Coast	10/05/2022: BF – staff have written to the members seeking input. AW to follow up the process for circulating information to members prior to the meeting (and then for the meeting itself)	Pending
17	2/3/2022	Info from MIDO regarding scope of dredging works to be shared with members.	Section Manager Catchments to Coast	10/05/2022: 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)	Pending
18	2/3/2022	Staff to forward Mike Campbell's details to Catchment Management Officer to discuss water quality measures in local catchment.	Meeting Support Officer	10/05/2022: BF – will get an update from Vanessa to see if that has been provided or not Completed by Jessica Preston.	Pending
19	2/3/2022	Staff to pass on feedback regarding use of glyphosate and report back to group.	Section Manager Environmental Infrastructure	10/05/2022: MB – verbal update to be given at the next meeting. Links to the EPL and Pesticide Notification Plan will also be shared with the members	Pending
20	2/3/2022	Staff to follow up about Floods Near Me App levels for Central Coast.	Section Manager Flood Planning and Strategy	10/05/2022: PS – verbal update will be given at the next meeting. The app is available on the app store for Android and Apple, or you can search 'Floods	Completed

Action log

Catchments to Coast Advisory Committee



Action Number	Meeting Date	Action	Responsible Party	Action Update	Status
				Near Me' to get the website (with information fed via MHL and BoM)	
21	2/3/2022	Update on draft Flood Policy to be provided at next meeting.	Section Manager Flood Planning and Strategy	10/05/2022: Update from Peter Sheath. defer item/update to be provided at the following C2C Committee meeting	Pending
22	2/3/2022	Staff to consider options for getting member feedback on the draft Woy Woy Floodplain Risk Management Study and Plan (FRMSP) in line with project timeframes.	Section Manager Flood Planning and Strategy	10/05/2022: PS – defer item/update will be provided at the following C2C Committee meeting. Draft report is currently being finalised, when the report is ready for public exhibition a copy can be circulated to the committee members for feedback	Pending
23	2/3/2022	Staff to distribute the Administrator Minute regarding advisory groups and include member emails for those who previously approved sharing.	Meeting Support Officer	1/6/2022: ON GOING - Alice Howe provided an update in relation to the announcement made earlier in the day, by the Office of Local Government, that the Local Government Elections for the Central Coast would occur in September 2024. It was also noted from a Meeting Support perspective that the discussion paper was	Ongoing

Action log

Catchments to Coast Advisory Committee



Action Number	Meeting Date	Action	Responsible Party	Action Update	Status
				not presented to the May meeting of Council, but that the development of this was quite advanced, and anticipated to be a report at an upcoming Council meeting.	