
**FLOODPLAIN MANAGEMENT COMMITTEE
TO BE HELD IN THE MURRAY ROOM ON
THURSDAY, 5 DECEMBER 2024 AT 2:00 PM**

- 1 Apologies
- 2 Confirmation of Minutes
- 3 Business Arising
- 4 Declarations of Interest
- 5 Items of Business
- CL01 p7 Project Update - Hanwood Stormwater Pump and Levee Project
- CL02 p8 Project Update - McCormack Road Yoogali Levee - Stage 2 Project
- CL03 p9 Project Update - Review of Lake Wyangan Flood Study and Floodplain Risk Management Study and Plan by Torrent Consulting
- 6 p10 Outstanding Action Report
- 7 General Business
- 8 Next Meeting

DISTRIBUTION LIST

Councillor Scott Groat (Chair), Laurie Testoni (Councillor - Alternate), Joseph Dal Broi (Community Representative), Luigi Forner (Community Representative), Joshua Stanbury (SES), Susanne Skof (SES), Steve Mortlock (Community Representative), Steve Manwaring (Department Planning, Industry & Environment)

General Manager, Brett Stonestreet; Director Utilities, Graham Gordon; Water & Wastewater Manager, Durgananda Chaudhary; Engineering Design & Approval Manager, Jason Carrozza and Minute Secretary, Joanne Bollen

Quorum = 3

If you are unable to attend this meeting please notify the Minute Secretary prior to commencement of the meeting by email or by telephoning Council on 1300 176 077.

This Committee meeting may be attended remotely and recorded by audio or audio-visual means for administrative purposes. No other recording is permitted.

Acknowledgement of Country

Griffith City Council acknowledges the Wiradjuri people as the traditional owners and custodians of the land and waters, and their deep knowledge embedded within the Aboriginal community.

Council further pays respect to the local Wiradjuri Elders, past, present and those emerging, for whom we acknowledge have responsibilities for the continuation of cultural, spiritual and educational practices of the local Wiradjuri people.

**FLOODPLAIN MANAGEMENT COMMITTEE
HELD IN THE COUNCIL CHAMBERS ON
THURSDAY, 8 AUGUST 2024 COMMENCING AT 2:00 PM**

PRESENT

Councillor Dino Zappacosta (Chair), Joseph Dal Broi (Community Representative), Joshua Stanbury (SES), Steve Manwaring (Department Planning, Industry & Environment), Michael Borg (SES), Shane Hargraves (SES via Zoom), Darren Lyons, Daniel Williams, Daniel Suvaal from Torrent Consulting

Quorum = 3

STAFF

Director Utilities, Graham Gordon, Water and Wastewater Manager, Durgananda Chaudhary, Engineering and Design Approvals Manager, Joe Rizzo, Director Infrastructure and Operations, Phil King and Minute Secretary, Leanne Austin

1 APOLOGIES

RECOMMENDED on the motion of Joseph Dal Broi and Steve Manwaring that apologies be received from Luigi Forner (Community Representative), Brett Stonestreet (General Manager), John Wadsworth (Chief Inspector Griffith Police), Ray Stynes (Superintendent Griffith Police).

2 CONFIRMATION OF MINUTES

RECOMMENDED on the motion of Joseph Dal Broi and Steve Manwaring that the minutes of the previous meeting held on 8 February 2024, having first been circulated amongst all members, be confirmed.

3 BUSINESS ARISING

Nil

4 DECLARATIONS OF INTEREST

Pecuniary Interests

There were no pecuniary interests declared.

Significant Non-Pecuniary Interests

Members making a significant non-pecuniary interest declaration are required to leave the meeting during consideration of the matter and not return until the matter is resolved.

There were no significant non-pecuniary interests declared.

Less Than Significant Non-Pecuniary Interests

Members making a less than significant non-pecuniary interest declaration may stay in the meeting and participate in the debate and vote on the matter.

Councillor Dino Zappacosta
Hanwood Stormwater Pump and Levee
Reason – Cr Zappacosta owns businesses in Hanwood.

5 ITEMS OF BUSINESS

CL01 REVIEW OF LAKE WYANGAN STUDY & FLOOD RISK MANAGEMENT PLAN

Mr Gordon introduced Daniel Williams from Torrent Consulting who presented information to the Committee in relation to the review of the Lake Wyangan Study and Flood Risk Management Plan.

Mr Williams provided an overview the flood risk management process including community and stakeholder engagement, data collection preparation of the flood risk management study and plan.

A previous flood study of the Lake Wyangan area was undertaken in 2012. Mr Williams stated that the November 2022 flood event saw 170 mm rainfall in the catchment early October through early November. The landscape was saturated and significant run off resulted in flooding at Campbells Swamp and Nericon Swamp at this time. This event raised the question was the November 2022 event exceptional or does the flood planning level need to be raised?

Mr Williams outlined past rainfall and storm history in the catchment area, key flood event attributes and catchment conditions. During the previous flood study, the extent of irrigation was principally at the eastern end of Dickie Road. However, the current extent of irrigation in this area is now much greater with the potential to divert more flood water into Lake Wyangan.

Shane Hargraves joined the meeting via Zoom at 2:24pm.

Mr Williams stated there was limited model calibration data available in previous studies. There are now calibration datasets available for prolonged wet period flood events and improved modelling capabilities now enable a much more robust simulation of the rainfall-runoff process. The current extent of irrigation infrastructure in the Dickie Road area (and any expected future expansion) can be incorporated in the modelling. Improved technology will enable a more detailed representation of the local catchment overland flood flow paths into Lake Wyangan and provide more detailed flood mapping outputs for Council.

Mr Williams outlined the objectives of the current study, being to:

- Simulate and understand the complex nature of varying soil moisture conditions and the catchment response to isolated storms and/or a cumulative series of storms
- Establish the expected probability of catchment runoff volumes for the range of conditions and review flood level estimates accordingly
- Understand how the extended Dickie Road irrigation operations impact potential flood risk in Lake Wyangan (and Tharbogang Swamp)
- Investigate and recommend mitigation options to manage flood flow transfer through

Lake View Drain and the Kubank Road area

- Update Council's flood planning and flood risk mapping layers.

Mr Graham advised the consultants will be meeting with landowners to gather information and will consider a number of options to reduce the impact of flooding to both homeowners and landowners.

Michael Borg left the Chambers at 2:38 pm and returned at 2:39 pm.

Mr Gordon stated the preference is to have a good operational level on North Lake for recreational use however, consideration may be given to use of the South Lake as an operational lake allowing for more drainage capacity during excess rain / flood events.

Mr Williams advised the study would also look into flood impacts for Todd Road and Druitt Road as well as the Nericon area however it is envisaged that future growth areas will be at a higher level and not subjected to flooding.

Mr Manwaring commented that the design elements would be challenging as it is quite a unique catchment area.

Mr Gordon stated that Council can regulate the level of the North Lake by replenishing water through the Murrumbidgee Irrigation (MI) supply system as required. Since 2012, MI has handed over the South Lake to Council. Protocols should be considered to allow Council to pump into the Barren Box system to assist with regulating lake levels.

Mr King advised that there have been significant changes since the last review including construction of Boorga Road, Dickie Road and raising of Lake Road which will impact the flood study and plan.

Mr Williams advised it would take approximately 18 months to gather data, review, exhibit and adopt the new flood study and plan. The consultants will attend future meetings to report their findings and progress.

CL02 GRIFFITH CITY FLOOD EMERGENCY SUB PLAN

Mr King advised the NSW SES has prepared the Griffith City Flood Emergency Sub Plan. This is a sub plan of the Griffith City Local Emergency Management Plan (EMPLAN). The Flood Emergency Sub Plan was presented to the Local Emergency Management Committee (LEMC) on 11 June 2024 and has been referred to the Griffith Floodplain Committee for consultation prior to considering endorsement at the next LEMC meeting.

Mr King referred the Committee to pages 25 and 26 of the sub plan regarding responsibilities of Griffith City Council. and suggested the consideration of the following two points under the wording "*Operate flood mitigation works including critical structures such as detention basins and levees and advise NSW SES regarding their operation*":

- Council will follow the EMR Emergency Breaching Protocols and Decision Support Framework as adopted November 2018 and published on Council's website.
- Council will determine in consultation with Murrumbidgee Irrigation when infrastructure intervention at Barren Box Swamp is required.

Shane Hargrave, Deputy Zone Commander SES addressed the Committee via Zoom advising that there were no issues with the proposed amendments to the sub plan.

Mr Stanbury added that the proposed comments could be added to the document as a sub-category in relation to the EMR breaching and planning arrangements. The Barren Box Swamp issue may require additional investigation and consultation and development of

protocols similar to those of the EMR.

Mr Gordon agreed that there needs to be better protocols around Barren Box Swamp however the area doesn't meet the criteria for funding for a rural flood plan. Protocols can be developed however, this would impact Carrathool Shire as that is where the water would flow through to.

Council will continue to work with MI and bring back any recommendations to this Committee. Any Committee decisions would need to be communicated to Carrathool Shire.

Mr Manwaring suggested adding a link to the EMR protocols on Council's website to the document.

RECOMMENDED on the motion of Joseph Dal Broi and Steve Manwaring that:

- (a) The Committee note the report.
- (b) The following wording be added to page 26 of the sub plan regarding responsibilities of Griffith City Council under the dot point "Operate flood mitigation works including critical structures such as detention basins and levees and advise NSW SES regarding their operation":
 - Council will follow the EMR Emergency Breaching Protocols and Decision Support Framework as adopted November 2018 and published on Council's website.
 - Council will determine in consultation with Murrumbidgee Irrigation when infrastructure intervention at Barren Box Swamp is required.

Shane Hargraves left the meeting at 3:11 pm.

CL03 YOOGALI LEVEE UPDATE

Mr Gordon provided an overview of the Yoogali Levee construction. Stage 1 has been completed with culvert upgrades. Stage 2 incorporates the levy construction along McCormack Road and Burley Griffin Way up to the Yoogali intersection.

Council has consulted extensively with Transport for NSW about the design and asset requirements as well as future plans for Transport for NSW to widen Burley Griffin Way.

Discussions are continuing regarding funding opportunities and cost sharing arrangements. Council is in conversation with funding bodies for the flood mitigation works for Yoogali levee, the federal government has put in \$1M which needs to be spent by June 2025.

Transport for NSW are keen to undertake widening works which would incorporate the levee raising, however Council needs to lock in the timing of project.

Mr Rizzo left the meeting at 3:16 pm.

CL04 HANWOOD LEVEE UPDATE

Mr Gordon provided an update on the Hanwood Levee. Work is to commence on clearing the Mallee Street drain next week. Underground infrastructure has been completed, four pumps are in and power supply is there. Once the drain works have been completed, works on the road construction can be commenced.

Mr Rizzo returned at 3:18 pm.

Transport for NSW are to be consulted with regarding traffic management and contractor

works. Council is aiming to have the project completed by November 2024.

6 OUTSTANDING ACTION REPORT

RECOMMENDED on the motion of Steve Manwaring and Joseph Dal Broi that the report be noted.

7 GENERAL BUSINESS

Councillor Zappacosta advised the Committee that Council elections are being held in September. Council Committee positions will be advertised following the election. Councillor Zappacosta thanked Committee members for their valuable contributions during this term of Council and wished them well in their future endeavours.

Councillor Zappacosta congratulated Joe Rizzo on his recent appointment as Director Sustainable Development.

8 NEXT MEETING

The next meeting of the Floodplain Management Committee is to be held on Thursday, 7 November 2024 at 2:00 pm.

There being no further business the meeting terminated at 3:25 pm.

CLAUSE **CL01**

TITLE **Project Update - Hanwood Stormwater Pump and Levee Project**

TRIM REF **24/144598**

Director Utilities, Graham Gordon, to provide the Committee with an update on the Hanwood Stormwater Pump and Levee Project.

CLAUSE **CL02**

TITLE **Project Update - McCormack Road Yoogali Levee - Stage 2 Project**

TRIM REF **24/144602**

Director Utilities, Graham Gordon, to provide the Committee with an update on the McCormack Road Yoogali Levee – Stage 2 Project.

CLAUSE **CL03**

TITLE **Project Update - Review of Lake Wyangan Flood Study and Floodplain Risk Management Study and Plan by Torrent Consulting**

TRIM REF **24/144608**

Director Utilities, Graham Gordon, and Torrent Consulting to provide the Committee with an update and review of the Lake Wyangan Flood Study and Floodplain Risk Management Study and Plan.

TITLE Outstanding Action Report

TRIM REF 24/144612

RECOMMENDATION

The report be noted.

ATTACHMENTS

(a) Action Report - Floodplain Management Committee - 5 Dec 2024 [↓](#) 11

ACTION REPORT**FLOODPLAIN MANAGEMENT COMMITTEE 5 December 2024**

Date of Meeting	Agenda Item	Action	Action Officer	Comments
8 August 2024	CL02 Griffith City Flood Emergency Sub Plan	<p>RECOMMENDED on the motion of Joseph Dal Broi and Steve Manwaring that:</p> <p>(a) The Committee note the report.</p> <p>(b) The following wording be added to page 26 of the sub plan regarding responsibilities of Griffith City Council under the dot point "<i>Operate flood mitigation works including critical structures such as detention basins and levees and advise NSW SES regarding their operation</i>":</p> <ul style="list-style-type: none"> • Council will follow the EMR Emergency Breaching Protocols and Decision Support Framework as adopted November 2018 and published on Council's website. • Council will determine in consultation with Murrumbidgee 	SES	

		Irrigation when infrastructure intervention at Barren Box Swamp is required.		
8 February 2024	North Merribee Channel Realignment	<p>RECOMMENDED on the motion of Steve Manwaring and Luigi Forner that Council:</p> <p>(a) Endorse the report presented by Murrumbidgee Irrigation</p> <p>(b) Look for funding opportunities to implement a permanent solution on the bypass channel downstream of Barren Box Storage and Wetlands.</p> <p>(c) Endorse the works proposed for the North Merribee Channel Realignment.</p>	Graham Gordon	13/08/2024: Council has given approval for the work. MI is to carry out the work.
8 February 2024	CL02 Yoogali Levee Project	<p>RECOMMENDED on the motion of Steve Mortlock and Joshua Stanbury that Council go out for tender and compare costings for:</p> <p>(a) Stage 2 only (McCormack Road Levee)</p> <p>(b) Stage 2 (McCormack Road Levee) & Stage 3 (Raising of Burley Griffin Way as a levee).</p>	Durganda Chaudhary	13/08/2024: Council is in discussions with TfNSW and DCCEEW regarding utilisation of funding.

23 November 2023	CL01 Community Opinion Group Meeting 1 November 2023	<p>RECOMMENDED on the motion of Louie Forner and Steven Mortlock that:</p> <p>(a) Council request Murrumbidgee Irrigation to have trees removed from the Mirrool Creek riparian zone and the removal of trees in any identified drainage channels.</p> <p>(b) Council advocate to the NSW Government to undertake a Flood Study for the entire Mirrool Creek Catchment.</p> <p>(c) Council contact the Natural Resource Access Regulator (NRAR) in relation to retrospectively unapproved earth works in Mirrool Creek, requesting that they support a study of the entire Mirrool Creek rural catchment area, so they can base their assessments on an actual model and facts.</p>	Graham Gordon	13/08/2024: Council has asked MI to remove trees from drainage channels. Funding is not currently available for a flood study for the Mirrool Creek Catchment. Council will continue to liaise with DCCEEW regarding this request.
20 July 2023	General Business	Council to discuss the obstruction of willow trees at the inflow channel of Barren Box Swamp.	Graham Gordon	13/08/2024: Council to raise with MI.
20 July 2023	General Business	Council discuss ownership and maintenance of the drainage	Graham Gordon	13/08/2024: This issue has been resolved.

		channel on Crook Road, Hanwood with Murrumbidgee Irrigation, accounting for the 86ML/day of water that the new Hanwood pump station has the potential to pump.		
4 May 2023	EMR Regulator and Barellan water level sensors	RECOMMENDED on the motion of Joe Dal Broi and Steve Manwaring that Council write to Water NSW for justification of services rendered for the fee in the vicinity of \$17,000 that Council currently pay for the monitoring of water level sensors at the East Mirrool Regulator and in Barellan.	GM	20/07/2023: Report to Committee on 20/07/2023. Council to pursue potential to transfer ownership of devices due to funding through BoM, or Council negotiate the frequency of device monitoring.
17 November 2022	Lake Wyangan Flood Mitigation Action Update	RECOMMENDED on the motion of Councillor Glen Andreazza and Steven Mortlock that Council apply for funding to review the Lake Wyangan Flood Study (2012) and Lake Wyangan Floodplain Risk Management Study and Plan (2013).	Graham Gordon	13/08/2024: Council has received funding from DCCEEW and engaged Torren Consulting to review the flood study and plan.
5 August 2021	Education Strategy and Display Board	RECOMMENDED on the motion of Councillor Dino Zappacosta and Sally Jones that Council investigate the feasibility of establishing an education program highlighting the history of the Mirrool Creek catchment area.	Durgananda Chaudhary	13/08/2024: This will be done once flood mitigation works are completed.

27 February 2020	Hanwood Stormwater Pump and Levee	Mr Mortlock enquired if Council had adequate generators available? Mr Gordon advised this should be investigated further in relation to emergency management.	Graham Gordon / Durgananda Chaudhary	13/08/2024: Under investigation.
20 June 2019	Farm Levees Mirrool Creek Floodplain – Illegal Levy Banks	RECOMMENDED on the motion of Peter Budd and Joe Dal Broi that the Committee endorse the Griffith Main Drain J and Mirrool Creek Floodplain Risk Management Study and Plan be reviewed and that investigations are carried out to identify any illegal works taken out such as levy banks and appropriate action taken. The review is to take into consideration flows from adjoining Council areas and consultation to occur with those Councils in relation to what action Griffith City Council will be undertaking.	Graham Gordon	Ongoing.