



Agenda and Business Paper

Floodplain Risk Management Advisory Committee

To be held on
Thursday 4 December 2025
at 9:00 AM

Civic Centre cnr Baylis and Morrow Streets,
Wagga Wagga NSW 2650 (PO Box 20)
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FLOODPLAIN RISK MANAGEMENT ADVISORY COMMITTEE AGENDA AND BUSINESS PAPER

THURSDAY 4 DECEMBER 2025

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ACKNOWLEDGEMENT OF COUNTRY

APOLOGIES



CONFIRMATION OF MINUTES

CM-1 CONFIRMATION OF MINUTES - FLOODPLAIN RISK MANAGEMENT ADVISORY COMMITTEE - 18 SEPTEMBER 2025

Recommendation

That the Minutes of the proceedings of the Floodplain Risk Management Advisory Committee Meeting held on 18 September 2025 be confirmed as a true and accurate record, noting Council's adoption of these minutes at its meeting of 27 October 2025.

Attachments

1   FRMAC Minutes - 18 September 2025 16

DECLARATIONS OF INTEREST

REPORTS FROM STAFF

RP-1 2026 PROPOSED MEETING DATES FOR THE FLOODPLAIN RISK MANAGEMENT ADVISORY COMMITTEE

Author: Kori West
Executive: Scott Gray

Analysis: The Floodplain Risk Management Committee Terms of Reference required the Committee is to meet bi-monthly, as determined by the Committee.

Recommendation

That the Committee endorse the schedule of meeting dates for the next 12 months as outlined in the Report.

Report

A forward meeting plan, including bi-monthly meeting dates, is agreed by the Committee each year. Therefore, the following schedule of meeting dates is proposed for the next twelve months for the Committee's consideration and endorsement:

- Thursday, 5 February 2025
- Thursday, 16 April 2026
- Thursday, 2 July 2026
- Thursday, 17 September 2026
- Thursday, 3 December 2026

Meetings are proposed to commence at 8:30am in the Council Meeting Room.

Extraordinary meetings may be held from time to time to discuss specific projects and items as required.

Financial Implications

N/A

Policy

N/A

Link to Strategic Plan

Community Leadership and Collaboration

Objective: We have strong leadership

Outcome: We are accountable and transparent

Risk Management Issues for Council

No specific issues identified.

Internal / External Consultation

N/A

RP-2 2022-FMP-0103 HUMULA AND MANGOPLAH FLOOD STUDIES

Author: Andrew Mason

Executive: Warren Faulkner

Summary: WMAWater have completed the development of the flood model for the study for Humula and Mangoplah and are continuing to write the accompanying report.

Recommendation

That the Floodplain Risk Management Advisory Committee receive and note the update provided in relation to the Humula and Mangoplah Flood Studies Project.

Report

Council engaged WMAWater in late September 2023, to undertake the Humula and Mangoplah Flood Study.

WMAWater have been preparing the reporting for the Mangoplah and Humula Flood Study. In preparing the report, it was identified that some additional model simulations were required. These have been progressed, and the Draft Flood Study report will be provided to Council in December.

Endorsement would be sought at the next FRMAC meeting on 5 February 2026 to place the report on Public Exhibition. The outcomes of the Public Exhibition will then be presented to a future FRMAC meeting for consideration and recommendation to Council to finalise the Flood Studies and complete the project.

Financial Implications

N/A

Policy and Legislation

N/A

Link to Strategic Plan

Regional Leadership

Ethical Leadership

Provide strategic direction and leadership for our region to deliver key community priorities.

Risk Management Issues for Council

N/A

Internal / External Consultation

N/A

RP-3 17866- LEVEE SYSTEM UPGRADE - NORTH WAGGA**Author:** Andrew Mason**Executive:** Warren Faulkner

Summary: The project to upgrade the North Wagga levee has commenced with preliminary tasks completed and further funding sources being investigated.

Recommendation

That the Floodplain Risk Management Advisory Committee receive and note the update to the Levee System Upgrade – North Wagga.

Report

A new project specifically about the implementation of the levee raising and third-party mitigation options has commenced.

The Project Sponsor is the Director Infrastructure Services.

An updated indicative timeline for the implementation of the raised levee and third-party mitigation options is provided below.

Stage	Duration	Commencement	Status
Topographic Survey	6 months	August 2024	Complete
Environmental Assessment	4 months	November 2024	Complete
Floodgate Pipe Relining	4 months	September 2025	In-progress
Civil Design including mitigation options for residents adversely affected by the levee raising	6-12 months	December 2025	Negotiating the design contract with consultant
Levee contractor procurement	4 months	July 2026	Not due
Levee construction	24 months	November 2027	Not due

For the North Wagga levee, Council currently has a funding pool of:

- \$6.1M in SRV funding
- \$1.1M in the original Commonwealth Development Grant (CDG) to be expended by 30 June 2026.

The CDG has been allocated to fund the floodgate pipe relining and the detailed design of the levee.

Council applied for funding through Round 3 of the Disaster Ready Fund to finance the shortfall for this project. Council has been notified that this funding application has been

successful and we have been awarded \$9.1M on a one to one basis. This grant will allow for the full completion of the project, with an aim to have the project finished by the end of 2028. Council has also applied for funding through DCCEEW to fund the third-party mitigation component of the project as a separate stage.

The status of the project is:

- The detailed survey for the levee design has been completed.
- The Review of Environmental Factors has been completed and accepted by Council
- The tender for the detailed design of the levee has been awarded to GHD.
- Procurement for the relining of the existing 14 floodgates in the levee has been completed and Pipeline Watertech has been awarded the contract to complete this work. Pipeline Watertech have commenced on site and the project should be completed by Christmas.
- A communication plan for the entire project is in the process of being developed with the design consultant and will be presented to FRMAC at the next meeting.
- A project steering committee will be engaged shortly to oversee this complex project.

Financial Implications

N/A

Policy and Legislation

Local Government Act
Development Control Plan 2010
Flood Risk Management Manual

Link to Strategic Plan

Regional Leadership

Ethical Leadership

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Risk Management Issues for Council

N/A

Internal / External Consultation

RP-4 2021-22-FM-0032 - URANQUINTY LEVEE UPGRADE - INVESTIGATION AND DESIGN

Author: Andrew Mason

Executive: Warren Faulkner

Summary: The project is progressing as per the required program. The 80% design is in progress and the extension of the Connorton St section of the levee has been completed and a design report provided to Council for review.

Recommendation

That the Floodplain Risk Management Advisory Committee receive and note the update provided in relation to the Uranquinty Levee Upgrade Project.

Report

The following update has been provided by Royal Haskoning (RHDHV) who are the consultant engaged to deliver this project.

We have been progressing the 80% design package based on the comments received and a technical discussion regarding the appropriate levee freeboard to adopt. The drawings need to undergo final review and then updates. Simultaneously, we are preparing the following documents:

- Updated design report
- Levee Owners Manual
- Review of Environmental Factors.
- Safety in Design report
- Hydraulic and economic analysis.

These will be collated as a package for issue in December. It is expected that following the receipt of any comments from Council & DCCEEW, another community consultation session would take place related to the 80% design and the project finalised in the new year.

We are also updating the report on the alternative Connorton Street levee alignment. The memorandum contains the recommendation that the revised alignment be adopted for reasons of cost, constructability and the potential benefits. There are some minor additional comments to add to the report. These will be completed shortly and issued prior to the next FRMAC meeting.

The potential re-alignment of the levee has several benefits. These are as follows:

- There is more space to facilitate the construction of the levee raising and channel, away from existing constraints including the roadway and public and private property.

- Constructing the levee will facilitate the provision of additional residential land, with the majority of the land positioned behind the levee zoned RU5. An indicative layout is presented in Figure 1-2.
- A greater proportion of the impacts may be contained on Crown land thereby reducing the potential for compensation of third parties due to the levee upgrade works.

The Committee will need to provide advice on the alignment of the Connorton Street levee alignment options to Council for endorsement. If the alternate alignment is selected as the preferred levee for construction, Council will need approval and a licence from Crown Lands to develop and install this levee on the Crown land component.

Haskoning have resolved the issue of the freeboard as raised by PWA and The report is attached for review and comment.

Aboriginal Land Claim

The NSW Land Council has recently issued a claim over Crown land across many areas of the LGA. These claims include blocks of land that contain both the existing and potential future levee alignment. As per our current practice in this situation, Council will approach the Land Council to negotiate a solution for these parcels of land which will involve the removal of the relevant parcels from the claim or Council acquire an easement over the parcel for drainage, flood and maintenance purposes.

Financial Implications

N/A

Policy and Legislation

N/A

Link to Strategic Plan

Regional Leadership

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Risk Management Issues for Council

N/A

Internal / External Consultation

N/A

RP-5 2023 FMP 0073 EARLY WARNING SYSTEM MODEL DEVELOPMENT

Author: Andrew Mason

Executive: Warren Faulkner

Summary: | This Report provides an update of the Early Warning System Model Development 2023 FMP 0073

Recommendation

That the Floodplain Risk Management Advisory Committee receive and note the report regarding the Early Warning and Flood Prediction Project.

Report

This project is a development of a recommendation from the 2018 FRMSP.

An initial project was completed by Stantec, and this has been developed into a specific and targeted approach to improve accessibility to flood and river data for the Council, the State Emergency Service and the public.

The approach is to enhance and improve existing Council systems and work collaboratively with the SES and Bureau of Meteorology to improve access to data across the Local Government Area and the wider catchment.

Worley have been engaged to deliver the Early Warning and Flood Prediction project.

The following update has been provided by Worley.

Status of project:

- Base Murrumbidgee River system operational
- Upstream lookup approach developed and to be integrated into WaterRIDE 11
- MOFFS flash flood base configuration complete
- Build URBS hydrology model (variation complete)
- Configuration of operational forecasting WaterRIDE projects complete
- Configuration of WaterRIDE LITE project complete
- Present beta version
- Setup/Delivery/Training/Manual complete

This project is complete and Worley have completed training for selected staff from across Council.

Worley will be presenting the final EWS to the FRMAC at this meeting.

Financial Implications

The project is currently within budget allocations.

Policy and Legislation

N/A

Link to Strategic Plan

Regional Leadership

Ethical Leadership

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Risk Management Issues for Council

N/A

Internal / External Consultation

N/A

RP-6 2021-22-FM-0039 - LAKE ALBERT FLOOD MITIGATION OPTIONS - FEASIBILITY STUDY

Author: Andrew Mason
Executive: Warren Faulkner

Summary: | Work on this project continues. The options report has been placed on Public Exhibition.

Recommendation

That the Floodplain Risk Management Advisory Committee receive and note the update provided in relation to the Lake Albert Flood Mitigation Project and accept the final report from Stantec for this project.

Report

Lake Albert Enhanced Flow Scheme – Feasibility Study

Stantec has been engaged by Wagga Wagga City Council to assess in further detail the feasibility of diverting additional flooding flows from Stringybark Creek and Crooked Creek and using Lake Albert to provide additional flood mitigation to the broader area, referred to as the 'Lake Albert Enhanced Flow Scheme'.

This was first proposed as a flood mitigation option in the Wagga Wagga Major Overland Flow Floodplain Risk Management Study and Plan (MOFFRMS&P, WMA Water, 2021). The project has been divided into the following three stage sites:

- Stage 1 (LA01) Lake Albert Outlet Modification
- Stage 2 (LA02) Crooked Creek Modification
- Stage 3 (LA03 Stringybark Creek Modification

The following update has been provided by Stantec:

Public exhibition of the draft report took place from the 29th October and finished on the 26th November. One formal submission was received who was in support of the proposed mitigations. The report has been finalized with only minor changes after input from various community groups and members of the public.

Stantec will be presenting at the meeting to seek adoption of the finished report.

Financial Implications

N/A

Policy and Legislation

N/A

Link to Strategic Plan

Regional Leadership

Ethical Leadership

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Risk Management Issues for Council

N/A

Internal / External Consultation

N/A

Attachments

1.  Lake Albert Feasibility Study Report - Provided under separate cover

**RP-7 2021-22-FM-0024 - GLENFIELD DRAIN AND FLOWERDALE
STORAGE FLOOD MITIGATION WORKS**

Author: Andrew Mason
Executive: Warren Faulkner

Summary: | Lyall and Associates have completed the investigation into suggested mitigation options to reduce impacts in the Glenfield Drain catchment as identified in the Wagga Wagga Major Overland Flow Floodplain Risk Management Study and Plan (MOFFS).

Recommendation

That the Floodplain Risk Management Advisory Committee receive and note the report.

Report

The draft report provided by Lyall and Associates at the last meeting of the FRMAC has been finalised with no changes. This project is now considered finished and closure procedures with DCCEEW have commenced.

Financial Implications

N/A

Policy and Legislation

N/A

Link to Strategic Plan

Regional Leadership

Ethical Leadership

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Risk Management Issues for Council

N/A

Internal / External Consultation

N/A

QUESTIONS WITH NOTICE

MINUTES of the FLOODPLAIN RISK MANAGEMENT ADVISORY COMMITTEE held on Thursday 18 September 2025.

PRESENT

Councillor Jenny McKinnon
Ros Prangnell
Austin Morris
Michael Friend (remote)

IN ATTENDANCE

Scott Gray	Acting General Manager
Joshua Stanbury	State Emergency Service (SES)
Brendon Johnson	State Emergency Service (SES)
Steve Manwaring	Department Planning, Industry & Environment
Janice Summerhayes	Director Community Service
Carly Hood	Manager Environment & City Compliance
Warren Faulkner	Director City Engineering
Louise Wheaton	Executive Assistant – Director City Engineering
Kori West	Corporate Governance Officer (Minute Taker)

The meeting of the Floodplain Risk Management Advisory Committee commenced at 8.30am.

ACKNOWLEDGEMENT OF COUNTRY

Wagga Wagga City Council acknowledges the traditional custodians of the land, the Wiradjuri people, and pays respect to Elders past, present and future and extends our respect to all First Nations Peoples in Wagga Wagga.

We recognise and respect their cultural heritage, beliefs and continuing connection with the land and rivers. We also recognise the resilience, strength and pride of the Wiradjuri and First Nations communities.

APOLOGIES

Apologies were received and accepted by the Committee for the Mayor, Councillor Dallas Tout and Pat Murray.

MINUTES of the **FLOODPLAIN RISK MANAGEMENT ADVISORY COMMITTEE** held on **Thursday 18 September 2025**.

CONFIRMATION OF MINUTES

CM-1 FLOODPLAIN RISK MANAGEMENT ADVISORY COMMITTEE MINUTES - 3 JULY 2025

Recommendation:

On the Motion of A Morris and R Prangnell

That the Minutes of the proceedings of the Floodplain Risk Management Advisory Committee Meeting held on 3 July 2025 be confirmed as a true and accurate record, noting Council's adoption of these minutes at its meeting of 11 August 2025.

CARRIED

RECORD OF VOTING ON THE MOTION

For the Motion

A Morris
J McKinnon
R Prangnell

Against the Motion

M Friend

DECLARATIONS OF INTEREST

No declarations of interest were received.

PROCEDURAL MOTION – CHANGE OF STANDING ORDERS

Recommendation:

On the Motion of A Morris and R Prangnell

That the Floodplain Risk Management Advisory bring forward consideration of RP-5 2021-22-FM-0032 - URANQUINTY LEVEE UPGRADE - INVESTIGATION AND DESIGN to allow the Co-opted member to be present for the meeting.

CARRIED

RECORD OF VOTING ON THE MOTION

For the Motion

M Friend
A Morris
J McKinnon
R Prangnell

Against the Motion

Uranquinty Co-opted member Brian Mahoney entered the meeting the time being 8.30am.

MINUTES of the FLOODPLAIN RISK MANAGEMENT ADVISORY COMMITTEE held on Thursday 18 September 2025.

REPORTS FROM STAFF.

**RP-5 2021-22-FM-0032 - URANQUINTY LEVEE UPGRADE -
INVESTIGATION AND DESIGN**

Recommendation:

On the Motion of A Morris and R Prangnell

That the Floodplain Risk Management Advisory Committee receive and note the update provided in relation to the Uranquinty Levee Upgrade Project.

CARRIED

RECORD OF VOTING ON THE MOTION

For the Motion

M Friend
A Morris
J McKinnon
R Prangnell

Against the Motion

Brian Mahoney vacated the meeting the time being 9.05am.

Martin Griffin from Stantec entered the meeting the time being 9.11am.

**RP-1 2021-22-FM-0039 - LAKE ALBERT FLOOD MITIGATION OPTIONS -
FEASIBILITY STUDY**

Recommendation:

On the Motion of A Morris and R Prangnell

That the Floodplain Risk Management Advisory Committee receive and note the update provided in relation to the Lake Albert Flood Mitigation Project and endorse the report to go on Public Exhibition pending the committee review and updated report.

CARRIED

RECORD OF VOTING ON THE MOTION

For the Motion

M Friend
Mr Morris
J McKinnon
R Prangnell

Against the Motion

Josh Stanbury (State Emergency Service (SES)) vacated the meeting and did not return, the time being 9.48am.

Brendon Johnson (State Emergency Service (SES)) entered the meeting the time being 9.55am.

Martin Griffin vacated the meeting the time being 10.22am.

MINUTES of the FLOODPLAIN RISK MANAGEMENT ADVISORY COMMITTEE held on Thursday 18 September 2025.

Scott Gray vacated the meeting and did not return, the time being 10.22am.

Erin Askew (WMAWater) entered the meeting the time being 10.33am.

RP-2 2022-FMP-0103 HUMULA AND MANGOPLAH FLOOD STUDIES

Recommendation:

On the Motion of A Morris and R Prangnell

That the Floodplain Risk Management Advisory Committee receive and note the update provided in relation to the Humula and Mangoplah Flood Studies Project.

CARRIED

RECORD OF VOTING ON THE MOTION

For the Motion

M Friend

A Morris

J McKinnon

R Prangnell

Against the Motion

Brandon Johnson vacated the meeting the time being 11.10am.

Scott Button and Tom Rooney (Lyal & Associates Consulting Water Engineers) entered the meeting the time being 11.12am.

RP-3 2021-22-FM-0024 - GLENFIELD DRAIN AND FLOWERDALE STORAGE FLOOD MITIGATION WORKS

Recommendation:

On the Motion of M Friend and A Morris

That the Floodplain Risk Management Advisory Committee receive and note the update provided in relation to the Glenfield Drain and Flowerdale Storage Area Flood Mitigation Works Project.

CARRIED

RECORD OF VOTING ON THE MOTION

For the Motion

M Friend

A Morris

J McKinnon

R Prangnell

Against the Motion

Scott Button & Tom Rooney vacated the meeting the time being 11.31am.

Property Co-ordinator, Matthew Dombrovski entered the meeting the time being 11.43am.

MINUTES of the FLOODPLAIN RISK MANAGEMENT ADVISORY COMMITTEE held on Thursday 18 September 2025.

RP-4 17866- LEVEE SYSTEM UPGRADE - NORTH WAGGA

Recommendation:

On the Motion of A Morris and M Friend

That the Floodplain Risk Management Advisory Committee receive and note the update to the Levee System Upgrade – North Wagga.

CARRIED

RECORD OF VOTING ON THE MOTION

For the Motion

M Friend

Mr Morris

J McKinnon

R Prangnell

Against the Motion

Matthew Dombrovski vacated the meeting the time being 11.53am.

RP-6 2023 FMP 0073 EARLY WARNING SYSTEM MODEL DEVELOPMENT

Recommendation:

On the Motion of M Friend and A Morris

That the Floodplain Risk Management Advisory Committee receive and note the report regarding the Early Warning and Flood Prediction Project.

CARRIED

RECORD OF VOTING ON THE MOTION

For the Motion

M Friend

Mr Morris

J McKinnon

R Prangnell

Against the Motion

QUESTIONS WITH NOTICE

No Questions with Notice were received.

The Floodplain Risk Management Advisory Committee rose at 12.00pm.