AGENDA AND BUSINESS PAPER

Floodplain Risk Management Advisory Committee

To be held on TUESDAY 3 DECEMBER 2019 AT 8.30AM

Cnr Baylis and Morrow Streets, Wagga Wagga NSW 2650
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FLOODPLAIN RISK MANAGEMENT ADVISORY COMMITTEE AGENDA AND BUSINESS PAPER

TUESDAY 3 DECEMBER 2019

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QUESTIONS WITH NOTICE
ACKNOWLEDGEMENT OF COUNTRY

APOLOGIES

CONFIRMATION OF MINUTES

CM-1 MEETING MINUTES 1 OCTOBER 2019

Recommendation

That the Minutes of the proceedings of the Floodplain Risk Management Advisory Committee Meeting held on 1 October 2019 be confirmed as a true and accurate record.

Attachments

1. Meeting Minutes - 1 October 2019

DECLARATIONS OF INTEREST
REPORTS FROM STAFF

RP-1    OBSTRUCTIONS ON THE FLOODPLAIN

Author: Caroline Angel
Director: Caroline Angel

Summary: To provide the Committee with the outcomes of an audit that was undertaken and completed mid November 2019 relating to various types of potential obstructions on the floodplain.

Recommendation

That the Committee note the contents of the report.

Report

There have been a number of concerns raised over a period of time on potential obstructions of the Wagga Wagga floodplain therefore an audit was undertaken by Council staff with the outcomes of the audit attached for the information of the Committee.

Financial Implications

N/A

Policy and Legislation

N/A

Link to Strategic Plan

Community Leadership and Collaboration
Objective: We are informed and involved in decision making
Outcome: Everyone in our community feels they have been heard and understood

Risk Management Issues for Council

Public misconception

Internal / External Consultation

Internal Councillor Workshop held 18 November 2019.

Attachments

1. Risk Management on the Floodplain - Councillor Briefing - 18 November 2019
2. CONFIDENTIAL - Risk Management on the Floodplain - Presentation - 18 November 2019

This matter is considered to be confidential under Section 10A(2) of the Local Government Act 1993, as it deals with: commercial information of a confidential nature that would, if disclosed, prejudice the commercial position of the person who supplied it. - Provided under separate cover
Councillor Workshop
Briefing Paper

Date: 18 November 2019
Engagement Level: ☐ Inform ☐ Consult ☐ Involve
☐ Collaborate ☐ Empower
Topic: Risk Management on the Floodplain
Analysis: The purpose of the workshop is to provide Councillors with information relating to the various types of obstructions on the floodplain.

Discussion Points
Area of Investigation:
- Upstream of Oura to Galore

Types of Obstructions:
- North Wagga
- Stockpiles
- Buildings/development
- Natural obstructions
- Agricultural impacts

The following information collected for each example (where it is available) is:
- Where possible, the magnitude of the affectation of water during a flood.
- The timeframe for the existence of the obstruction (temporary or permanent)
- The material the obstruction consists of
- The area occupied by the obstruction
- The reason for the existence of the obstruction

Desired Outcomes
- Councillors gain a greater understanding of the magnitude of obstructions on the floodplain
- Councillors are better informed and develop a holistic view of the entire floodplain and the ramifications of obstructions to water flowpaths
- Councillors develop a greater appreciation of the transient nature of earthworks stockpiles and the need for storage of road material until appropriate projects are available to recycle the material.
- Councillors are better informed about developments across the entire floodplain both upstream and downstream of Wagga Wagga
Information

The presentation provided, is grouped into the following five sections that cover the various reasons there are impediments on the floodplain:

North Wagga

Development on the Floodplain

City of Wagga Wagga
Road work stockpiles on the Floodplain

Vegetation on the Floodplain
Laser Levelling of the Floodplain
PROJECT UPDATES

Author: Peter Ross
Director: Caroline Angel

Analysis: This report is to provide an update on the following projects:

- Wagga Wagga Major Overland Flow Flood (MOFF) Risk Management Study and Plan
- Main City and North Wagga Levee Construction – Stage 1
- Wagga Wagga Revised Floodplain Risk Management Study and Plan
- Wagga Wagga Villages Floodplain Risk Management Study and Plan

Recommendation

That the Committee receive and note the report

Report

Project 1753 – Wagga Wagga Major Overland Flow Flood (MOFF) Risk Management Study and Plan

WMAwater attended the Floodplain Risk Management Advisory Committee (FRMAC) meetings in May and September 2019 to advise of progress to date and to present and discuss Stage 1 and 2 reports with the Committee Report 1 – Data Collection & Model Review Report and Report 2 – Flood Damages Assessment Report.

Further work has been completed on various mitigation options for the Glenfield Drain system and for Lake Albert.

The report is tending towards discrete solutions in various MOFFS catchments rather than one large solution for all of Wagga. The report will provide a list of projects for Council to complete that will be local solutions but provide mitigation for the catchments as a whole.

Attached for the committee’s reference is the October 2019 Project Management Office report showing the current status and timelines of this project.

Project 1793 – Main City and North Wagga Levee

Stage 2 of the upgrade of the remaining 6km of levee between Gobbagombalin Bridge and Kooringal Road is nearly complete. The aim is to provide a 1 in 100-year flood protection to the city for the first time.

Stage 2 works involve the extension and reinforcement of existing concrete retaining walls, installation of capped steel sheetpiles and placement of clay to extend the height of the levee.
The installation of 1.8km of sheetpiles is all but complete. The capping and painting of these piles will follow on directly and be completed early in the new year.

The concrete wall extension along Cadell Place and behind the Watermark complex has been completed. Sections of the Wiradjuri Walking Track have been reopened as the levee has been completed while other sections will remain closed for several months in sections where construction is currently taking place. The track will have a 3m wide concrete path extending from Travers Street to Kooringal Road once the project is complete.

Council staff are working with the contractors to minimise disruptions as much as possible and thank residents and businesses for their cooperation throughout these works.

The Stage 2 upgrade is progressing a scheduled and the project will be complete in the new year.

**Project 2000 – Wagga Wagga Revised Floodplain Risk Management Study and Plan**

**Updates to FRMS&P Mitigation Measures**

**RE1: Improve Flood Warning System**
Council has been successful with a grant application to investigate options to improve our riverine flood warning system.

The project will:

- review the current flood warning system
- assess and scope deficiencies in the current flood warning system
- make recommendations on additional infrastructure needs and any other improvements

**R1: Improved Access to Oura**
Investigations into this recommendation are continuing.

**Project 19555 – Flood Mitigation Option Feasibility Study for North Wagga & Floodplain Residents**

**PR1: Investigate a Voluntary House Raising & Voluntary House Purchase Scheme in Wagga Wagga Study Area, in conjunction with, North Wagga Levee Upgrade to 5% AEP level of protection WITH an equivalent upgrade to Hampden Avenue (as embankment) and conveyance improvements through Wilks Park.**

**L4B: Investigate North Wagga Levee Upgrade to 5% AEP level of protection WITH an equivalent upgrade to Hampden Avenue (as embankment) and conveyance improvements through Wilks Park, in conjunction with, Voluntary House Raising & Voluntary House Purchase Scheme in Wagga Wagga Study Area. Voluntary House Raising & Voluntary House Purchase Scheme in Wagga Wagga.**

The brief for this project has been out to market and Council is currently reviewing the tender submissions with a view to appointing a contractor before Christmas 2019.
Attached for the committee’s reference is the October 2019 Project Management Office report showing the current status and timelines of this project.

**Project 18640 – Wagga Wagga Villages Floodplain Risk Management Study and Plan**

Stage 2 report has been submitted by GRCHydro and distributed to OEH, relevant Council staff and FRMAC members for comment.

GRC Hydro have presented to the FRMAC and are due to present again at the next meeting.

GRC Hydro are currently reviewing planning instruments that may be recommended to ensure that they are equivalent to other planning recommendations that may come out of the MOFFS project.

GRCHydro have undertaken visits and inspections to each village and met with the relevant communities.

Attached for the committee’s reference is the October 2019 Project Management Office report showing the current status and timelines of this project.

**2019-2020 Floodplain Management Program**

A grant application was submitted for Humula and Mangoplah Flood Studies & Floodplain Risk Management Studies and Plans (FRMS&P). This application was unsuccessful, and Council will look at what options are available to complete this work in the next few years.

**Financial Implications**

The total project budgets, expenditure and commitments to date are as follows:

<table>
<thead>
<tr>
<th>Project name</th>
<th>Total Project Budget</th>
<th>Expended + Committed as at 28 November 2019</th>
<th>Budget Remaining</th>
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<tbody>
<tr>
<td>Wagga Wagga Major Overland Flow Flood (MOFF) Risk Management Study and Plan</td>
<td>$228,940</td>
<td>$232,742</td>
<td>-$3,802</td>
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<tr>
<td>FM-0099 - (17826)</td>
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<tr>
<td>Main City Levee Construction – Stage 1 (17843)</td>
<td>$3,278,231</td>
<td>$3,195,506</td>
<td>$82,726</td>
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<tr>
<td>Main City Levee Construction – Stage 2 (17850)</td>
<td>$11,562,524</td>
<td>$11,546,465</td>
<td>$16,059</td>
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Wagga Wagga Villages Floodplain Risk Management Study and Plan
FM-115 - (18640)
$198,000  $141,872  $56,127

*Main City Levee Construction—excludes expenditure incurred on the Kooringal Road Cycleway, as Council expects to receive approximately $156K in grant funding from the RMS, and 50:50 Council Reserves funding.

Policy and Legislation

The outcomes from the various studies will be very important in the terms of future amendments to the Council Local Environmental Plan and its Development Control Plan.

Link to Strategic Plan

Community Leadership and Collaboration
Objective: We are active community members
Outcome: We recognise we all have a role to play

Risk Management Issues for Council

There is a risk that the cost to carry out these projects could be more than was originally estimated. Therefore, Council would need additional funds to complete the works. However, some contingency was built into all the estimates to reduce this risk.

Internal / External Consultation

The Office of Environment and Heritage have been heavily consulted throughout the process of planning and executing these projects.

NSW Emergency Management is the responsible funding body and receives quarterly status update reports.

NSW State Emergency Services and Bureau of Meteorology are consulted when required.

Each of these projects is managed using a project steering group made up of members from different areas of Council as per Councils project management methodology.

Council officers in various directorates are members of the project steering committees for each project.

Attachments

1. Project Management Office - Flood Projects - Reports - as at 29 November 2019 - Provided under separate cover
RP-3 FLOODPLAIN RISK MANAGEMENT ADVISORY COMMITTEE - 2020 MEETING SCHEDULE

Author: Caroline Angel
Director: Caroline Angel

Analysis: Proposed 2020 meeting schedule.

Recommendation

That the Committee adopt the 2020 meeting schedule of the Floodplain Risk Management Advisory Committee.

Report

In the Floodplain Risk Management Advisory Committee Terms of Reference, it states that the Committee is to meet bi-monthly as determined by the Committee.

Meetings are proposed to be held at 8.30am on the first Tuesday of the month with the dates being as per the following:

- 4 February 2020
- 4 August 2020
- 7 April 2020
- 6 October 2020
- 2 June 2020
- 1 December 2020

Further to the above Councillor Tim Koschel has requested consideration be given to alternate days and starting times for times for the meeting.

Additional workshops and meetings may be held when required.

Financial Implications

N/A

Policy and Legislation

N/A

Link to Strategic Plan

The Environment

Objective: We create a sustainable environment for future generations
Outcome: We minimise our impact on the environment

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 Tuesday 1 October 2019.

PRESENT

Cr Vanessa Keenan  Wagga Wagga City Council
Cr Rod Kendall    Wagga Wagga City Council
Cr Tim Koschel    Wagga Wagga City Council
Brian Mahony      Community Member
Ros Prangnell     Community Member
Patricia Murray   Community Member

IN ATTENDANCE

Peter Thompson   General Manager
Barry Griffiths  State Emergency Service (SES)
Craig Ronan      State Emergency Service (SES)
Steve Manwaring  Department Planning, Industry and Environment
Caroline Angel   Director Commercial Operations
Janice Summerhayes Director Community
Mark Gardiner    Manager Environment & City Compliance
Peter Ross       Manager Technical and Strategy
Darryl Woods     Manager Council Businesses
Sylvester Otieno Manager Operations
Rup Shah         Manager Project Delivery
Mark Gardiner    Manager Environment and City Compliance
Adriaan Stander  Strategic Planning Coordinator
Sam Robins       Town Planner
Andrew Mason     Project Manager
Michael Friend   Co-opted Community Member
Greg Gilmour     Co-opted Community Member
Sue Hardwick     Co-opted Community Member
Maree Ingram    Administration Coordinator (Minute Taker)
Cath Goonan      WMAwater
Erin Askew       WMAwater
Peter Morris     Observer

APOLOGIES

Cr Greg Conkey   Wagga Wagga City Council
Jenny Rolfe      Community Member

The meeting of the Floodplain Risk Management Advisory Committee commenced at 8.35am.
MINUTES of the FLOODPLAIN RISK MANAGEMENT ADVISORY COMMITTEE held on Tuesday 1 October 2019.

ACKNOWLEDGEMENT OF COUNTRY

I would like to Acknowledge the Traditional Custodians of this Land, on which this meeting takes place and to pay my respects to Elders past and present.

CONFIRMATION OF MINUTES

CM-1 MEETING MINUTES - 6 AUGUST 2019

Recommendation:

On the Motion of Councillor T Koschel and P Murray

That the Minutes of the proceedings of the Floodplain Risk Management Advisory Committee Meeting held on 6 August 2019 be confirmed as a true and accurate record.

CARRIED

DECLARATIONS OF INTEREST

No declarations of interest were received.

REPORTS FROM STAFF

RP-1 PROJECT UPDATES

Recommendation:

On the Motion of Councillor R Kendall and R Prangnell

That the Committee receive and note the report

CARRIED
MINUTES of the FLOODPLAIN RISK MANAGEMENT ADVISORY COMMITTEE held on Tuesday 1 October 2019.

Discussion on the Report

Project 1753 – Wagga Wagga Major Overland Flow Flood (MOFF) Risk Management Study and Plan

WMAtwater made a presentation to the Committee on the progress of the MOFFS including a number of maps that identified both overland flow hotspots and stormwater issues in the urban area with potential flood modification measures identified for the overland flow hotspots.

The presentation also provided specific projects for Lake Albert which relate to inflow, outflow and storage for Lake Albert.

The presentation also included information pertaining to property modification measures.

There was considerable discussion relating to the information contained in the presentation which also confirmed the critical nature of the Glenfield Road drain and the role it will play in alleviating significant drainage issues from the Lloyd, BourkeLands and Glenfield catchment areas.

WMAtwater have completed a first draft of the Planning Policy and this will be distributed to Committee members and stakeholders.

Although the scope of works was not altered, co-opted Community Member, Michael Friend, raised concerns in relation to North Wagga residents likely viewing the study as unnecessary and repetitive, which may hamper participation by residents, noting the residents also seek a 1 in 100 year level of protection.

Janice Summerhayes left the meeting at 9:50am

Councillor Koschel left the meeting at 10:16am.

Project 19555 – Flood Mitigation Option Feasibility Study for North Wagga & Floodplain Residents

The brief is almost complete and is anticipated to be released to the market via Tenderlink, by the end of this week.

It has been reviewed by a number of parties and will be distributed to the Committee following the meeting.

Although the scope of works was not altered, co-opted Community Member, Michael Friend, raised concerns in relation to North Wagga residents likely viewing the study as unnecessary and repetitive, which may hamper participation by residents, noting the residents also seek a 1 in 100 year level of protection.

Peter Thompson left the meeting at 10:30am.

Michael Friend left the meeting at 10:38am
Project 1793 – Main City and North Wagga Levee

It is anticipated that the Wiradjuri walking track between Johnston Street and the Wiradjuri Bridge will be reopened by Thursday, 3/10/19.

The Mason Street section of the levee has been lifted to the required height.

The installation of sheetmetal piles has commenced west of the viaduct with approximately 600mm of sheetpiling work remaining.

Easements are in place to facilitate the construction of the levee.

There are some constraints in respect to the continuity of the Active Travel Plan path in Tarcutta Street as result of current land ownership.

Discussions are still occurring in relation to land values in Tarcutta Street.

There are also some Essential Energy and Riverina Water County Council issues that are to be resolved.

Project 18640 – Wagga Wagga Villages Floodplain Risk Management Study and Plan

Council staff to request a schedule for the planned Ladysmith and Tarcutta community consultation from GRCHydro, for provision to the applicable co-opted community members.

RP-2 COMMUNICATIONS AND ENGAGEMENT STRATEGY

Recommendation:

On the Motion of Councillor R Kendall and R Prangnell

That the Committee receive and note the report.

CARRIED

QUESTIONS WITH NOTICE

No Questions With Notice were received.

The Floodplain Risk Management Advisory Committee rose at 11.55am.