



Attachment 11 to Item 3.1.1.

Floodplain Management Sub Committee
Business Papers 15 November 2023

Date of meeting: 26 March 2024
Location: Council Chambers
Time: 4:00pm



Floodplain Management Sub-Committee

Date of meeting: 15 November 2023
Location: Council Administration Building
Time: 3:00 PM

BUSINESS PAPER

FLOODPLAIN SUB-COMMITTEE

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1. AGENDA

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1. AGENDA

1.1. Welcome

1.2. Apologies

1.3. Declaration of Interests

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2. CONFIRMATION OF MINUTES

Meeting Date: 15 November 2023

2. CONFIRMATION OF MINUTES

FLOODPLAIN MANAGEMENT SUB-COMMITTEE

Minutes: 18 October 2023

1. AGENDA

Welcome

Minutes of the Meeting of the Floodplain Sub-Committee held in the Large Committee Room, Windsor, on 18 October 2023, commencing at 3:00pm.

ATTENDANCE

Present: Councillor Les Sheather, Hawkesbury City Council – (Chairperson)
Councillor Amanda Kotlash, Hawkesbury City Council – (Deputy Chairperson)
Mr Christopher Bell, Community Representative
Mr Wayne Mitchell, Community Representative
Mr Lawrence Rose, Community Representative
Mr Murray West, Community Representative
Mr Troy Myers, Community Representative
Mr Kevin Jones, State Emergency Services (Audio-Visual Link)
Mr Harry Panagopoulos, Department of Planning and Environment – (Audio-Visual Link)
Ms Fiona Coe, Department of Planning & Environment – (Audio-Visual Link)
Dr Stephen Yeo, NSW Reconstruction Authority – (Audio-Visual Link)

Apologies: Mr Lewis Adey, Community Representative

In Attendance: Ms Monique Retallick, WMA Water
Mr Mark Babister, WMA Water
Ms Colleen Haron, Hawkesbury City Council
Mr Phillip Bow, Hawkesbury City Council

Member	23/08/2023	27/09/2023	18/10/2023
Mr Andrew North	✓	A	X
Mr Christopher Bell	✓	✓	✓
Mr Wayne Mitchell	✓	✓	✓
Mr Lewis Adey	A	✓	A
Mr Harry Panagopoulos/ Ms Fiona Coe	✓	✓	✓
Mr Kevin Jones	✓	A	✓
Mr Stephen Yeo	✓	✓	✓
Councillor Amanda Kotlash	✓	✓	✓
Councillor Les Sheather	✓	A	✓
Mr Lawrence Rose	✓	✓	✓
Mr Murray West	A	✓	✓
Mr Troy Myers	✓	✓	✓

Key: A = Formal Apology ✓= Present X = Absent - no apology

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Apologies

Apologies from Mr Lewis Adey were noted.

RESOLVED on the motion of Councillor Amanda Kotlash seconded by Mr Wyne Mitchell.

Mr Troy Myers arrived at the meeting at 3:10pm.

Declaration of Interests

There were no Declarations of Interests made.

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FLOODPLAIN MANAGEMENT SUB-COMMITTEE

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2. CONFIRMATION OF MINUTES

The Sub-Committee resolved on the Motion of Mr Christopher Bell, seconded by Mr Wayne Mitchell, that the Minutes from the previous meeting held on Wednesday, 27 September 2023 be confirmed.

Procedural Motion

The Sub-Committee resolved on the Motion of Councillor Amanda Kotlash, seconded by Mr Christopher Bell that Item 3.1.2 be brought forward.

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3. REPORTS FOR DETERMINATION

3.1.1. FPSC - Floodplain Risk Management Project Updates - (161821, 124414, 95498)

Previous Item: 3.1.1, Floodplain Management Sub-Committee (27 September 2023)

Directorate: City Planning

OFFICER'S RECOMMENDATION:

That the Floodplain Management Sub Committee receive the updates on the status of Council's Floodplain Risk Management Projects.

COMMITTEE RECOMMENDATION:

RESOLVED on the motion of Mr Wayne Mitchell and seconded by Mr Christopher Bell.

That the Floodplain Management Sub Committee receive the updates on the status of Council's Floodplain Risk Management Projects.

FLOODPLAIN SUB-COMMITTEE

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FLOODPLAIN MANAGEMENT SUB-COMMITTEE

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3.1.2. FPSC - Presentation - Review Hawkesbury FRMS&P - Potential Management Options - (161821, 124414, 95498)

Previous Item: 3.1.4, Floodplain Management Sub-Committee (27 September 2023)

Directorate: City Planning

OFFICER'S RECOMMENDATION:

That the Floodplain Management Sub Committee consider the matters highlighted in the presentation by WMA Water.

COMMITTEE RECOMMENDATION:

RESOLVED on the motion of Mr Troy Myers and seconded by Councillor Amanda Kotlash.

That the Floodplain Management Sub Committee consider the matters highlighted in the presentation by WMA Water and extend their thanks to WMA Water for the presentation.

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4. GENERAL BUSINESS

A. Welcome to Ms Fiona Coe

The Sub-Committee was introduced to Ms Fiona Coe from the Department of Planning and Environment, who will represent the Department as a member of the Sub-Committee in a shared role with Mr Harry Panagopoulos.

The next Floodplain Management Sub Committee meeting is proposed to be held on Wednesday, 15 November 2023 at 3:00pm.

The meeting terminated at 4:45pm.

3. REPORTS FOR DETERMINATION

3.1.1. FPSC – Presentation – Draft 2023 Hawkesbury-Nepean River Flood Study - (161821, 124414, 95498)

Directorate: City Planning

PURPOSE OF THE REPORT

The purpose of this report is to introduce a presentation to the Sub-Committee by the NSW Reconstruction Authority in respect to the release to councils of the Draft 2023 Hawkesbury-Nepean Flood Study.

OFFICER'S RECOMMENDATION

That the Floodplain Management Sub Committee consider the matters highlighted in the presentation by the NSW Reconstruction Authority.

BACKGROUND

Resilient Valley, Resilient Communities— the Hawkesbury-Nepean Valley Flood Risk Management Strategy (the Flood Strategy) released in May 2017 is a comprehensive long-term framework for the NSW Government, local councils, businesses, and the community to work together to reduce and manage the flood risk in the Hawkesbury-Nepean Valley.

The objective of the Flood Strategy is to reduce flood risk to life, property and social amenity from regional floods in the Hawkesbury-Nepean Valley now and in the future. The Flood Strategy's vision is for Hawkesbury-Nepean Valley communities and all levels of government to adapt to flooding by working together to:

- Understand and be fully aware of flood risk
- Act to reduce flood risk and manage growth
- Be ready to respond and recover from flooding.

The Flood Strategy includes a range of targeted actions designed to deliver nine outcomes:

Outcome 1: Coordinated flood risk management across the Valley now and in the future

Outcome 2: Reduce flood risk in the Valley by raising Warragamba Dam wall

Outcome 3: Strategic and integrated land use and road planning

Outcome 4: Accessible contemporary flood risk information

Outcome 5: An aware, prepared and responsive community

Outcome 6: Improved weather and flood predictions

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Outcome 7: Best practice emergency response and recovery

Outcome 8: Adequate local roads for evacuation

Outcome 9: Ongoing monitoring, evaluation, reporting and improvement of the Flood Strategy.

One outcome of the Resilient Valley, Resilient Communities— the Hawkesbury-Nepean Valley Flood Risk Management Strategy was the release of the Hawkesbury-Nepean Valley Regional Flood Study in 2019 by Infrastructure NSW.

The Hawkesbury-Nepean Valley Regional Flood Study (2019) is a technical document describing the flood behaviour of the main Hawkesbury-Nepean River from Bents Basin near Wallacia downstream to Brooklyn Bridge, and associated backwater flooding, for existing conditions and under projected climate change.

Since the release of the Hawkesbury-Nepean Valley Regional Flood Study (2019), the NSW Government has been developing a more comprehensive 2D flood model for the Hawkesbury-Nepean Valley to further increase understanding of flood behaviour using latest information, including data from recent floods from 2020, 2021 and 2022 to assist with validation/calibration of the flood model.

DISCUSSION

At this floodplain Management Sub-Committee Meeting, a presentation from the NSW Reconstruction Authority will be given to the Sub Committee to:

- Detail the results of the Draft 2023 Hawkesbury-Nepean Flood Study, and
- Advise of the release of the Draft Study and consultation with councils for review and comment.

Comments on the Draft Flood Study can be made until **8 December 2023** and will be considered prior to finalisation of the Flood Study, which is expected to be in early 2024.

The Hawkesbury-Nepean River Flood Study Overview (Draft October 2023) provides a summary of the purpose and methodology used in the development of the Draft Study and is attached to this Briefing Note for information.

ATTACHMENTS

AT 1 - Hawkesbury-Nepean River Flood Study Overview - Draft October 2023 – *(Distributed under separate cover)*.

oooO END OF REPORT Oooo

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3.1.2. FPSC - Floodplain Risk Management Project Updates - (161821, 124414, 95498)

Previous Item: 3.1.1, FPSC (18 October 2023)

Directorate: City Planning

PURPOSE OF THE REPORT

The purpose of this report is to provide updates in respect of the status of Council's various Floodplain Risk Management Projects.

OFFICER'S RECOMMENDATION

That the Floodplain Management Sub Committee receive the update on the status of Council's Floodplain Risk Management Projects.

BACKGROUND

Floodplain Risk Management Projects

Currently, Council has three grant funded Floodplain Risk Management projects that are underway, including:

1. Review of Hawkesbury Floodplain Risk Management Study and Plan 2012

This project is to undertake a review of the Hawkesbury Floodplain Risk Management Study and Plan 2012 considering the release of the Hawkesbury-Nepean Flood Study for the Hawkesbury Nepean Valley by Infrastructure NSW, and to update management options as required.

2. Combined Macdonald River, Colo River, Webbs Creek and Greens Creek Flood Study and Floodplain Risk Management Study and Plan

This project is to undertake a Flood Study and Floodplain Risk Management Study and Plan for Macdonald River, Colo River, Webbs and Greens Creek. It aims to understand flood risk in these catchments where extended isolation and risk to life is present, and develop flood management options including engineering works, evacuation planning and appropriate development controls.

3. Redbank Creek Flood Study

The Redbank Creek Flood Study involves a comprehensive technical investigation of the flood behaviour of Redbank Creek that will provide the foundation for the development of a floodplain risk management plan. It aims to provide an understanding of the full range of flood behaviour and consequences in the Study Area.

Flood Evacuation Model.

Recently, the NSW Reconstruction Authority released a Flood Evacuation Model for the Hawkesbury-Nepean Valley. This Model assesses the risk people will face when evacuating as a consequence of

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increased growth and climate change. It provides a detailed overview of how roads cope with evacuation during different size floods, based on different scenarios. These findings will be used to inform decisions on development, road infrastructure, and evacuation planning.

The report identifies that the number of people who will be unable to evacuate the Hawkesbury-Nepean Valley increases significantly with potential development and climate change.

Consideration of the findings from the Flood Evacuation Model will be given in the development of Council's Floodplain Risk Management Projects.

DISCUSSION

The status of each Floodplain Risk Management project is discussed below:

1. Review of Hawkesbury Floodplain Risk Management Study and Plan

Figure 1 details what stage the Review of the Hawkesbury Floodplain Risk Management Study and Plan Project is currently at:

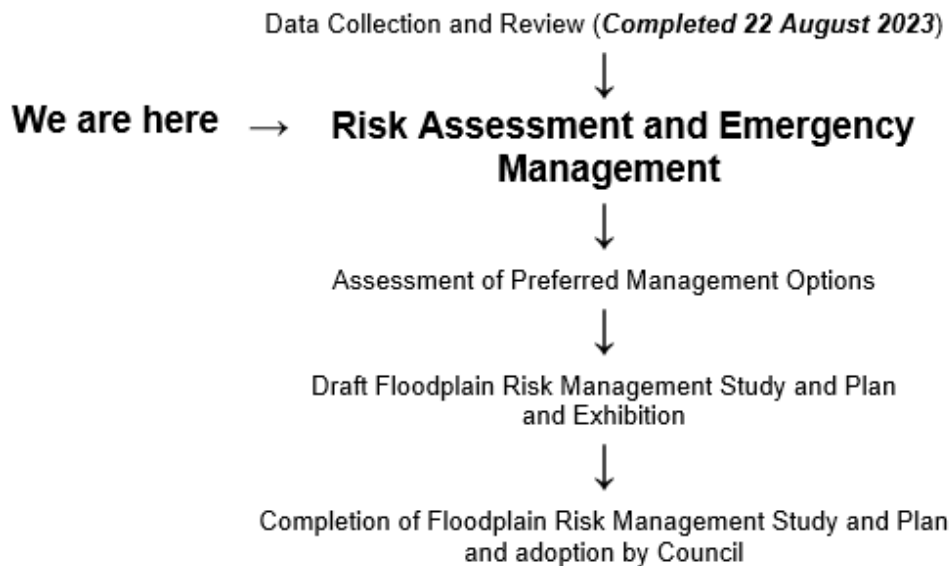


Figure 1: Status of the Review of the Hawkesbury Floodplain Risk Management Study and Plan Project

At the Floodplain Management Sub-Committee Meeting on 18 October 2023, WMA Water, the consultants for this Project, gave a presentation to the Sub-Committee on the outcomes of the community consultation which sought public opinion as to the preferred management options to mitigate flood impacts.

WMA Water has now commenced the modelling of these options, using the Flood Model developed as part of the Draft 2023 Hawkesbury-Nepean River Flood Study, to determine the benefits or otherwise of the different options.

Work is also progressing in relation to risk assessment and emergency management classification.

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2. Macdonald River, Colo River, Webbs Creeks and Greens Creek Flood Study and Floodplain Risk Management Study and Plan

Figure 2 details what stage the Macdonald River, Colo River, Webbs Creeks and Greens Creek Flood Study and Floodplain Risk Management Study and Plan Project is currently at:

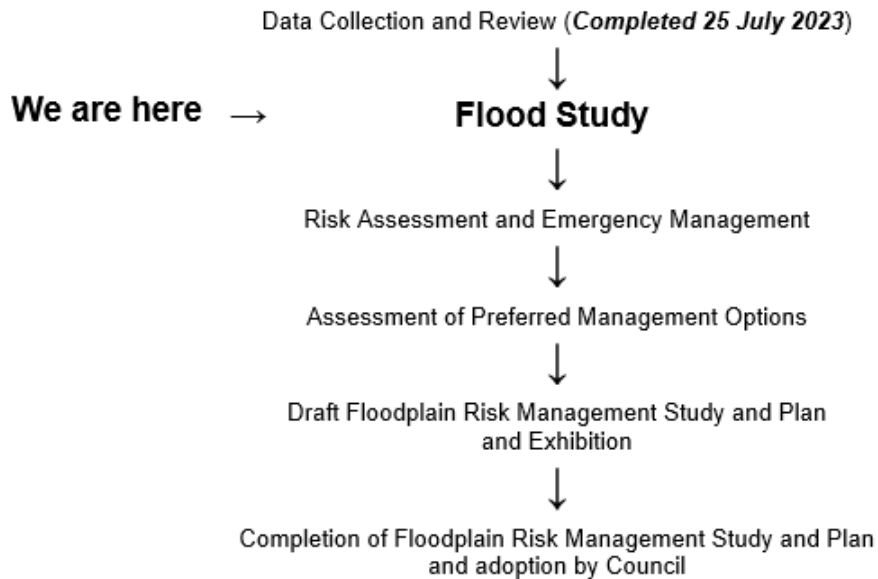
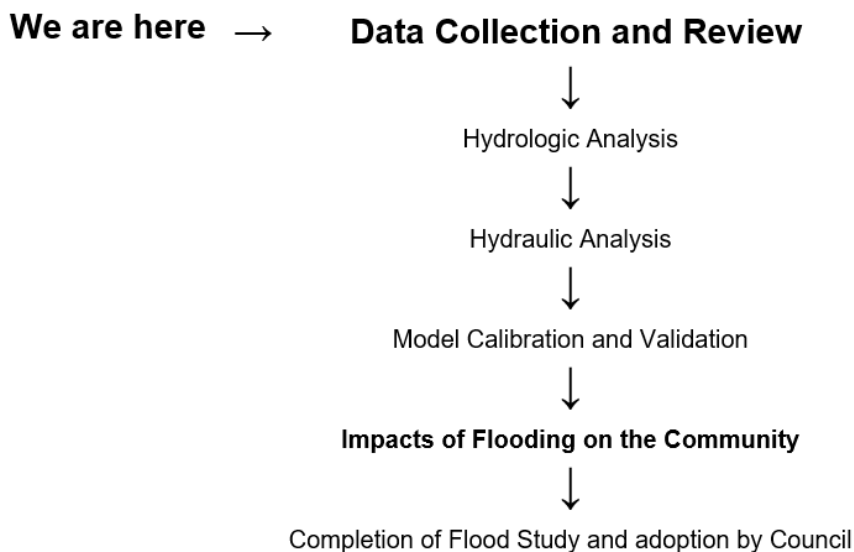


Figure 2: Status of the Macdonald River, Colo River, Webbs Creeks and Greens Creek Floodplain Management Project

The consultants for this Project are currently progressing the flood model, with a current focus on the calibration and validation of the model. The completion of the flood study is expected to take until January 2024 to complete.

3. Redbank Creek Flood Study

Figure 3 details what stage the Redbank Creek Flood Study Project is currently at:



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Figure 3: *Status of the Redbank Creek Flood Study Project*

This Project has commenced with the compilation and review of existing flood and GIS information for the catchment, and with preliminary modelling activities to inform the identification of any additional data that may be required.

At the Floodplain Management Sub-Committee Meeting on 27 September 2023, Committee Members discussed the community consultation to seek local knowledge of flooding behaviour and consequences, as well as providing an opportunity to inform and educate residents, and secure acceptance of any future recommended management measures. The information gathered during this consultation will help inform the flood study.

This consultation commenced on 16 October 2023 and scheduled to finish on 13 November 2023.

The results will be forwarded to the consultants for this Project.

ATTACHMENTS

There are no supporting documents for this report.

oooO END OF REPORT Oooo

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4. GENERAL BUSINESS

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4. GENERAL BUSINESS



Floodplain Management Sub-Committee Meeting

End of Business Paper

This business paper has been produced electronically to reduce costs, improve efficiency and reduce the use of paper. Internal control systems ensure it is an accurate reproduction of Council's official copy of the business paper.