



Attachment 13 to Item 3.1.1.

Floodplain Management Sub Committee
Business Papers 21 February 2024

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



Floodplain Management Sub-Committee

Date of meeting: 21 February 2024
Location: Council Administration Building
Time: 3:00 PM

BUSINESS PAPER

FLOODPLAIN MANAGEMENT SUB-COMMITTEE

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1. AGENDA

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1. AGENDA

Welcome

Minutes of the Meeting of the Floodplain Sub-Committee held in the Large Committee Room, Windsor, on 15 November 2023, commencing at 3:00pm.

ATTENDANCE

Present: Councillor Les Sheather, Hawkesbury City Council – (Chairperson)
Mr Christopher Bell, Community Representative
Mr Wayne Mitchell, Community Representative
Mr Lawrence Rose, Community Representative
Mr Murray West, 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: Councillor Amanda Kotlash - (Deputy Chairperson)
Mr Lewis Adey, Community Representative
Mr Andrew North, Community Representative
Mr Troy Myers, Community Representative

In Attendance: Mr Andrew Kearns, Hawkesbury City Council
Ms Colleen Haron, Hawkesbury City Council
Mr Phillip Bow, Hawkesbury City Council – (Audio-Visual Link)
Ms Emma Whale, NSW Reconstruction Authority – (Audio-Visual Link)
Ms Rachel Pagitz, NSW Reconstruction Authority – (Audio-Visual Link)

Member	23/08/2023	27/09/2023	18/10/2023	15/11/2023
Mr Andrew North	✓	A	X	A
Mr Christopher Bell	✓	✓	✓	✓
Mr Wayne Mitchell	✓	✓	✓	✓
Mr Lewis Adey	A	✓	A	A
Mr Harry Panagopoulos/ Ms Fiona Coe	✓	✓	✓	✓
Mr Kevin Jones	✓	A	✓	✓
Mr Stephen Yeo	✓	✓	✓	✓
Councillor Amanda Kotlash	✓	✓	✓	A
Councillor Les Sheather	✓	A	✓	✓
Mr Lawrence Rose	✓	✓	✓	✓
Mr Murray West	A	✓	✓	✓
Mr Troy Myers	✓	✓	✓	A

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

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Apologies

Apologies from Councillor Amanda Kotlash, Mr Lewis Adey, Mr Andrew North and Mr Troy Myers were noted.

RESOLVED on the motion of Mr Wayne Mitchell, seconded by Mr Murray West.

Declaration of Interests

There were no Declarations of Interests made.

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2. CONFIRMATION OF MINUTES

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2. CONFIRMATION OF MINUTES

The Committee resolved on the Motion of Mr Lawrence Rose, seconded by Mr Christopher Bell, that the Minutes from the previous meeting held on Wednesday, 18 October 2023 be confirmed.

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2. CONFIRMATION OF MINUTES

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3. REPORTS FOR DETERMINATION

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

Directorate: City Planning

OFFICER'S RECOMMENDATION:

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

COMMITTEE RECOMMENDATION:

RESOLVED on the motion of Mr Lawrence Rose and seconded by Mr Christopher Bell.

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

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2. CONFIRMATION OF MINUTES

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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

OFFICER'S RECOMMENDATION:

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

COMMITTEE RECOMMENDATION:

RESOLVED on the motion of Mr Christopher Bell and seconded by Mr Murray West.

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

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2. CONFIRMATION OF MINUTES

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4. GENERAL BUSINESS

A. Enquiries made with respect to meeting dates for 2024.

The next Floodplain Management Sub Committee meeting is proposed to be held on Wednesday, 21 February 2024 at 3:00pm.

B. Enquiry made with respect to inclusion of a Penrith City Council representative on the Sub-Committee.

Chair requested that Sub-Committee members send future requests to the Chair instead of all Sub-Committee members.

The meeting terminated at 4:10pm.

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3. REPORTS FOR DETERMINATION

Meeting Date: 21 February 2024

3. REPORTS FOR DETERMINATION

3.1.1. FPSC - Review of Hawkesbury Floodplain Risk Management Study and Plan - Assessment of Preferred Management Options - (161821, 124414, 95498)

Previous Item: 3.1.2, Floodplain Management Sub-Committee (18 October 2023)

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

3.1.2, Floodplain Management Sub-Committee (23 August 2023)

Directorate: City Planning

PURPOSE OF THE REPORT

The purpose of this report is to introduce a presentation to the Sub-Committee by consultants WMA Water in relation to the assessment of the preferred options for the management of impacts from the flooding of the Hawkesbury River, and the identification of the flood planning area/s.

OFFICER'S RECOMMENDATION

That the Floodplain Management Sub Committee consider the matters identified in the presentation by consultants WMA Water on the assessment of preferred management options associated with the Review of the Hawkesbury Floodplain Risk Management Study and Plan.

BACKGROUND

At the Floodplain Management Sub-Committee Meetings on 23 August 2023 and 27 September 2023, discussions were held in respect to the consideration of proposed management options to be included in the Review of the Hawkesbury Floodplain Risk Management Study and Plan Project. In this regard, consideration of potential management options was undertaken as part of the discussions at these meetings and referred to the consultants for consideration, including:

- The recommended management options of the current Hawkesbury Floodplain Risk Management Plan 2012;
- The community's preferences for the management of flood impacts provided through the community questionnaire, and
- Options submitted by Sub-Committee members to be considered in the Review of the Hawkesbury Floodplain Risk Management Study and Plan.

At the Floodplain Management Sub-Committee Meeting on 18 October 2023, WMA Water provided a presentation to the Sub-Committee detailing the results of the community consultation to seek community opinion on potential options for the management of impacts from flooding of the Hawkesbury River. As part of the presentation, potential management options for further investigation were discussed, including modelling of the following:

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- Currency Creek Diversion Channel
- Pitt Town 50 year levee
- Wilberforce 50 year levee
- McGraths Hill 50 year levee
- South Windsor 100 year levee

DISCUSSION

A presentation from WMA Water will be provided to the Floodplain Management Sub Committee to:

- Detail the results of the investigations of the preferred management options to determine their feasibility
- Discuss the identification of the flood planning area/s.

ATTACHMENTS

There are no supporting documents for this report.

oooO END OF REPORT Oooo

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3.1.2. FPSC - Macdonald River, Colo River, Webbs Creek, Greens Creek Floodplain Risk Management Study and Plan - Draft 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 consultants Rhelm in relation to the preparation of the draft Flood Study for the Macdonald River, Colo River, Webbs Creek and Greens Creek project.

OFFICER'S RECOMMENDATION

That the Floodplain Management Sub Committee consider the draft Flood Study for the Macdonald River, Colo River, Webbs Creek, Greens Creek Floodplain Risk Management Study & following the presentation by consultants Rhelm.

DISCUSSION

A presentation from Rhelm will be provided to the Floodplain Management Sub Committee to discuss:

- Flood modelling and calibration
- Extent of the Study Area
- Outcomes of the initial consultation
- Indicative design events for the 1 in 100 year flood and the Probable Maximum Flood.

ATTACHMENTS

There are no supporting documents for this report.

oooO END OF REPORT Oooo

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3.1.3. FPSC – Floodplain Risk Management Project Updates & Project Program 2024 – (161821, 124414, 95498)

Previous Item: 3.1.2, Floodplain Management Sub-Committee (15 November 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, and to outline the program for these works throughout 2024.

OFFICER'S RECOMMENDATION

That the Floodplain Management Sub Committee receive the update on the status of Council's Floodplain Risk Management Projects and note the program for these works in 2024.

BACKGROUND

Council currently 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 Regional Flood Study for the Hawkesbury Nepean Valley by NSW Reconstruction Authority, 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.

DISCUSSION

A program for the Floodplain Risk Management projects has been developed to inform all relevant stakeholders as to the expected timeframes for:

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- The completion of each stage of the Projects
- Reporting to the Floodplain Management Sub-Committee
- Reporting to Council
- The exhibition of draft studies and/or plans.

The program of the floodplain management projects works is included as Attachment 1 for information.

The program anticipates the completion of the Floodplain Risk Management Projects in early 2025.

The status of each Floodplain Risk Management project is outlined 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 at.

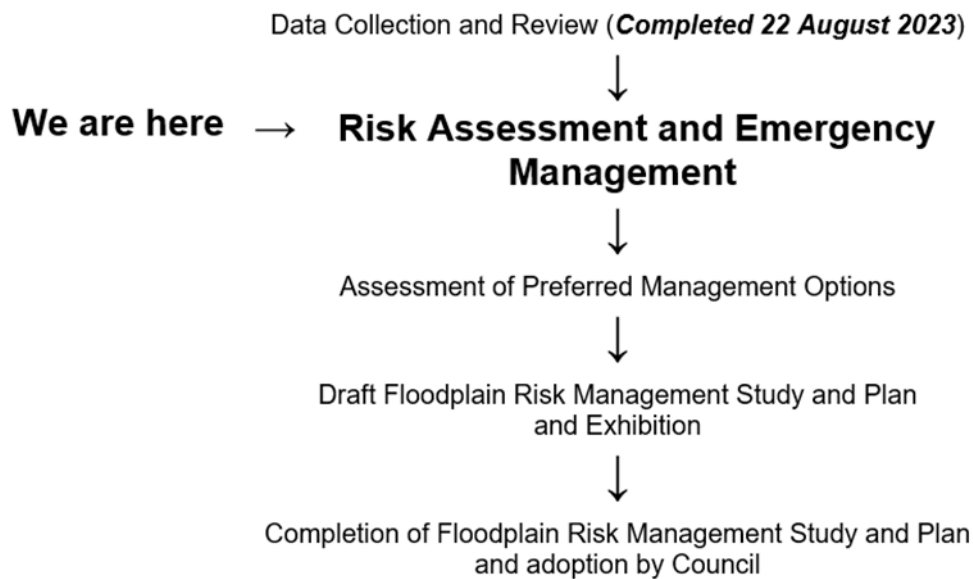


Figure 1: Status of the Review of the Hawkesbury Floodplain Risk Management Study and Plan Project

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

WMA Water have now modelled the preferred options, using the current Regional Flood Model, to determine the benefits or otherwise of the different options.

A summary of the outcomes of this modelling will be presented to the Sub-Committee by WMA Water at Item 3.1.1 of this Business Paper.

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 at.

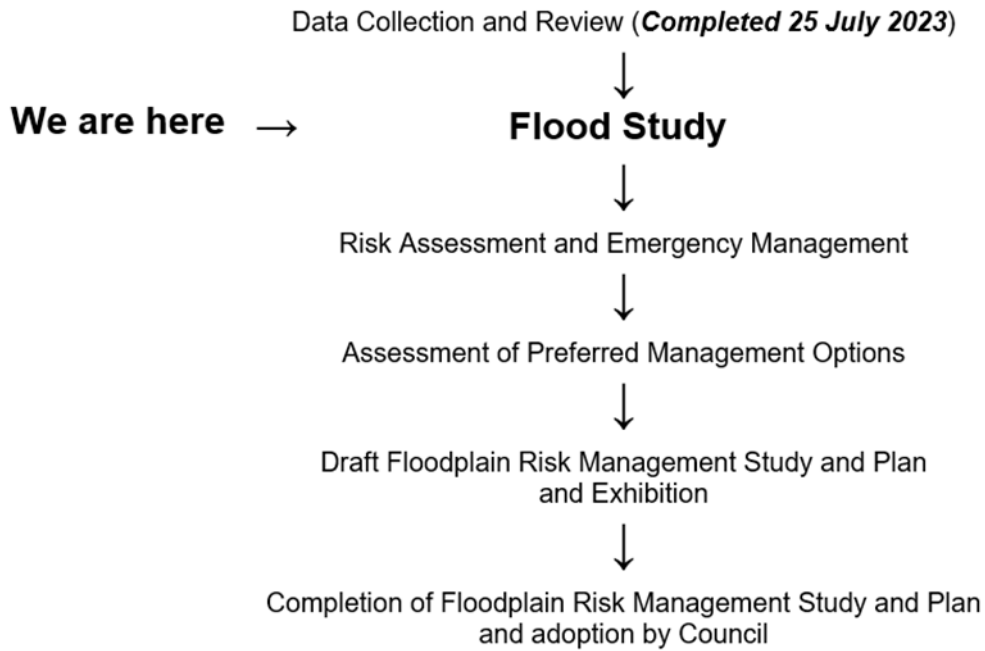


Figure 2: Status of the Macdonald River, Colo River, Webbs Creeks and Greens Creek Floodplain Management Project

The consultants for this Project, Rhelm are currently progressing Stage 2 of this Project, with the draft Flood Study expected to be finalised by the end of February 2024.

A summary of the outcomes from the flood modelling of the Macdonald River, Colo River, Webbs Creek and Greens Creek will be presented by Rhelm at Item 3.1.2 of this Business Paper.

3. Redbank Creek Flood Study

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

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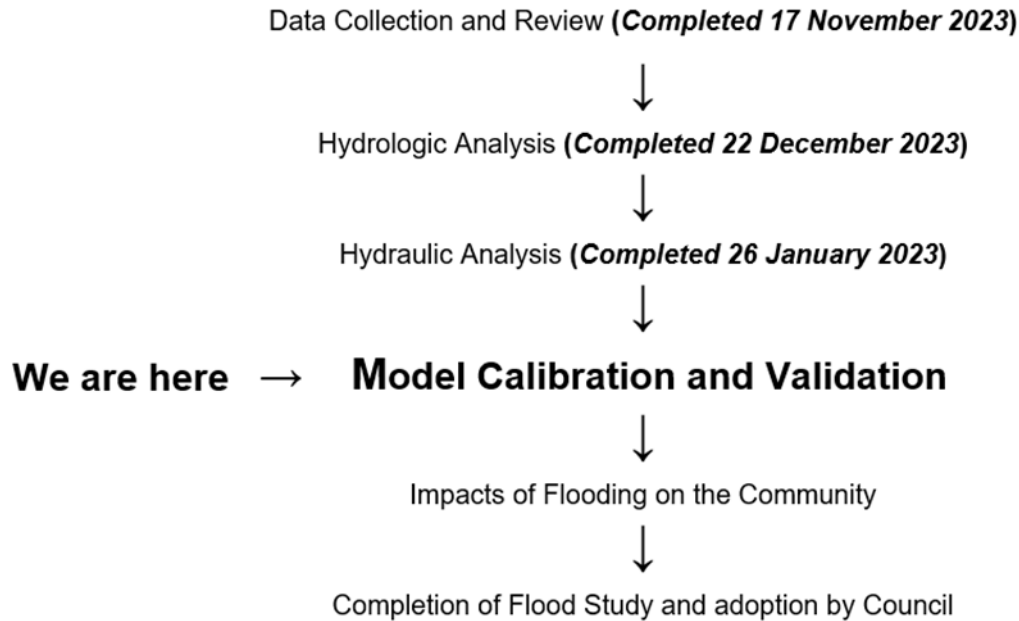


Figure 3: Status of the Redbank Creek Flood Study Project

This project 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. Data collection and the review of this information has now been completed.

Hydrological analysis has commenced for this project with the completion of flood modelling. Currently, the consultants for this project are focusing on the validation of the model and it is expected that the draft Flood Study will be presented to the Sub-Committee at its meeting in July 2024.

ATTACHMENTS

AT - 1 Floodplain Projects Program 2024 (*Distributed under separate cover*).

oooO END OF REPORT Oooo

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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.