



BUSINESS PAPER

Notice is hereby given in accordance with the *Local Government Act 1993* and *Local Government (General) Regulation 2005* of the below mentioned meeting.

Coastal and Flood Risk Management Advisory Committee Meeting

Tuesday, 13 February 2024

Commencing at 10:30 AM

Shellharbour Civic Centre

AGENDA

1 Acknowledgement to Country

2 Apologies / Leave of Absence

3 Confirmation of Minutes

3.1 Coastal Management Advisory Committee Meeting -20 September 2024

4 Disclosures of Interest

5 Presentations

5.1 Verbal Update from the Coastal Program Coordinator

6 Reports

6.1 Draft Macquarie Rivulet Floodplain Risk Management Study and Plan

7 General Business

8 Next Meeting

1. Acknowledgement to Country

Shellharbour City Council acknowledges the Traditional Custodians of the Dharawal Country and recognise their continued connection to the land we meet on today. We pay our respects to Elders past, present and emerging and the contribution they make to the life of this city and this region and extend our recognition to their descendants who continue to live on country.

2. Apologies / Leave of Absences

3. Confirmation of Minutes

4. Disclosures of Interest

Note: Councillors and staff who declare an Interest at the Meeting are also required to complete a Declaration of Interest form.

5 Presentations

5.1. Coast and Waterways – Coastal Coordinator Project Updates

An update will be provided to the Committee by Council's Coastal Coordinator.

6.	Reports
6.1	Draft Macquarie Rivulet Floodplain Risk Management Study and Plan

To the Chief Executive Officer

Directorate:	Corporate Services
Business Unit:	Technology and Corporate Services
Author:	Matthew Apolo, Executive Manager Technical and Recreation Services
Approver:	Ben Stewart, Executive Director Infrastructure Services

Summary

The purpose of this report is to seek endorsement from the Coastal and Flood Risk Management Advisory Committee for the Draft Macquarie Rivulet Floodplain Risk Management Study and Plan to be presented to an Ordinary Council Meeting for consideration of public exhibition.

Background

The Macquarie Rivulet catchment encompasses the suburbs of Albion Park, Tullimbar, Calderwood, Yellow Rock, Tongarra and the northern areas of Albion Park Rail as shown in **Attachment 1**.

The development of the Macquarie Rivulet Floodplain Risk Management Study and Plan (Study and Plan) (**Attachment 2**) has been undertaken by consultants WMA Water who commenced in November 2018. The Study and Plan updates the previous Macquarie Rivulet Flood Study (2017) with the new flood estimation and modelling methods outlined in Australian Rainfall and Runoff 2019 (ARR2019) and has defined the existing flood behaviour for all major tributaries and drainage lines within the catchment.

The Study and Plan reviews management issues, investigates flood mitigation options, and recommends suitable options to form Council's plan for managing flood risk in the catchment. The specific objectives of the Study and Plan are:

- to identify and describe the various potential flood problems and specific future flooding issues.
- to review the flood provisions in Council's existing environmental planning policies and instruments.
- to identify and assess potential management and mitigation measures for existing developed areas.
- to assess the benefits and cost of the potential management and mitigation measures.
- to identify modifications required to current policies in the light of investigations.

To date, consultation has been undertaken in a number of stages, including a Community Newsletter and Questionnaire, Project Stakeholder Consultation and Consultation via Council's Coastal and Flood Risk Management Advisory Committee.

The Study and Plan identifies a number of measures to manage flood risk within the catchment that can generally be classified as either Flood Modification, Property Modification or Response Modification options. The options recommended by the Study and Plan are summarised below:

Response Measures

RM01 Coordination of Emergency Services and Response Agencies

RM02 Community Flood Education and Awareness

RM03 Flood Warning System

RM04 Improvements to Driver Safety

RM05 Amend Local Flood Plans with Flood Information Derived from this Study

Property Modification Measures

PM01 Adoption of Flood Planning Levels

PM02 Adoption of Flood Planning Area

PM03 Provision of flood information to residents via section 10.7 Planning Certificates

PM04 Managing Development in Flood Prone Areas

PM05 Flood Proofing Measures for Non-Residential Properties

Flood Modification Measures

FM01 Basin Downstream of Terry Street

FM02 Tongarra Road Basin

FM03 Tripoli Way Drainage Upgrade

FM04 Tongarra Road Upgrade

FM05a Terry Street and Taylor Road Civil Works

FM05b Terry Street and Taylor Road Civil Works

FM06 Airport Runway Raise

FM07a Illawarra Highway Drainage Upgrade

FM07b Illawarra Highway Drainage Upgrade

FM08 Illawarra Highway Road Upgrade

FM09 Drainage Maintenance

FM10 Vegetation Management

The Study and Plan has identified that there are only a small amount of properties impacted by over-floor flooding within the catchment; therefore, Flood Modification options have generally low benefit-cost outcomes. Instead, the proposed Flood Modification options provide better outcomes for public infrastructure and transport, which is a high priority for this area.

Financial / Resources Implications

The Macquarie Rivulet Floodplain Risk Management Study and Plan project is grant funded by the NSW Department of Climate Change, Energy, the Environment and Water (formerly Department of Planning and Environment) based on a 2:1 funding agreement, meaning the state government provides \$2 for every \$1 contributed by Council. Public exhibition and engagement with the community on the Study and Plan is a key milestone within the project

and is funded accordingly.

The Study and Plan identify a number of management and mitigation measures to address the flood risk within the catchment. However, implementation of a number of actions will be a shared responsibility between Council and a number of NSW State Agencies (particularly Transport for NSW regarding projects on Tongarra Road and the Illawarra Highway). Projects will be implemented when resources and funding is available. In addition, with the adoption of a Final Floodplain Risk Management Plan, Council will be able to apply for grant funding under the NSW Floodplain Management Program to implement the measures identified in the final plan and in accordance with State Government priorities. The future financial considerations will be identified in council Delivery Programs.

It is important to exhibit and finalise this study to meet the grant funding milestones for this phase of the project.

Public / Social Impact

The intent of the NSW Government's Flood Prone Land Policy and Flood Risk Management Process as outlined in the Manual, is to reduce the impact of flooding and flood liability on individual owners and occupiers of flood prone land and to reduce private and public losses resulting from flooding.

The public exhibition of the Draft Macquarie Rivulet Floodplain Risk Management Study and Plan (**Attachment 2**) will increase public awareness of flooding within the catchment and assist Council and key emergency personnel in creating community readiness for the risk associated with flood.

Link to Community Strategic Plan

This report supports the following objectives, strategies and actions of the Community Strategic Plan:

2.2 We are a beautiful and connected City

2.2.1 Our planning reflects the unique character of our city and natural environment and is responsive to the evolving needs of our community

2.2.1.07 Manage stormwater and floodplains across the City by developing strategies and plans that inform the community and increase resilience.

Consultation

Internal

Executive Manager Strategic Planning and Environment

Executive Manager Works and Services

Manager Asset Planning

Manager Environment

Team Leader Zero Emissions and Sustainability

Construction and Maintenance Manager
Senior Strategic Planner

External

Wollongong City Council
NSW Department of Climate Change, Energy, the Environment and Water
Transport for NSW
State Emergency Services

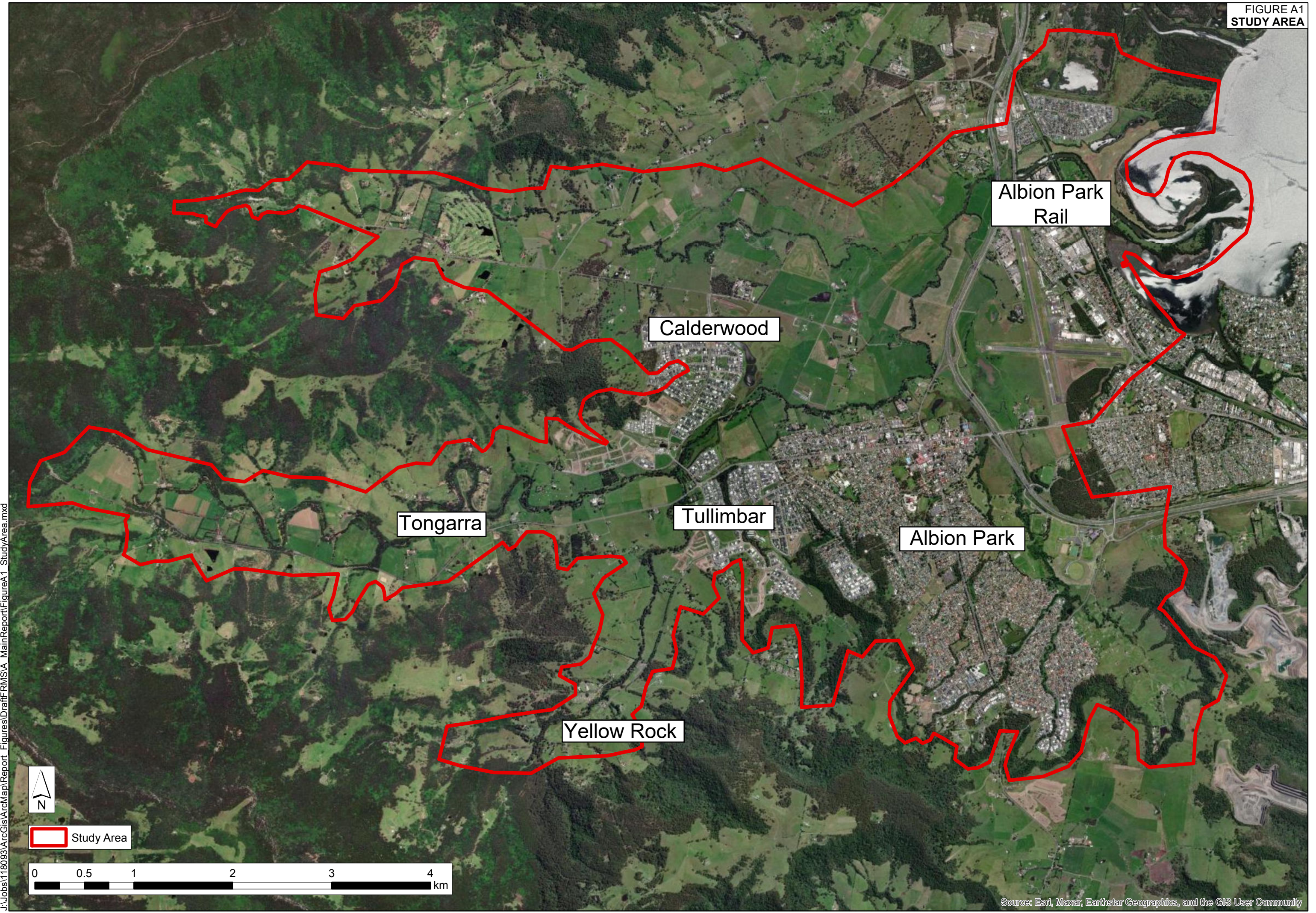
In addition, external consultation has been undertaken in a number of stages, including a Community Newsletter and Questionnaire, Project Stakeholder Consultation and Consultation via the former Flood Risk Management Committee (now Coastal and Flood Risk Management Advisory Committee).

Committee Recommendation

That the Coastal and Flood Risk Management Advisory Committee endorse the Draft Macquarie Rivulet Floodplain Risk Management Study and Plan to be presented to Council for the purposes of public exhibition.

Attachments

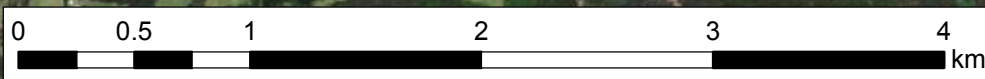
1. Study Area Catchment Map
2. Draft Macquarie Rivulet Floodplain Risk Management Study and Plan (Issued Separately)



J:\Jobs\118093\ArcGis\ArcMap\Report_Figures\DraftFRMSA_MainReport\FigureA1_StudyArea.mxd



Study Area



7 General Business

8 Next Meeting