

Appendix C Community Information

Our Ref: 3246479

23 November 2012

«Owners»
«Property_Mailing_Address»

Dear Sir

Boambee-Newports Creek Floodplain Risk Management Study & Plan
Property: «Property_Address»

Please find attached a Community Newsletter outlining details on the proposed Boambee-Newports Creek Floodplain Risk Management Study and Plan.

A Community Information Session is proposed to be held at the Boambee East Community Centre on Wednesday, 12 December 2012 as shown in the Newsletter. Also attached is a map showing the extent of the Boambee-Newports Creek catchment.

A Survey has also been attached for your feedback to include in the proposed Boambee-Newports Creek Floodplain Risk Management Study and Plan. The Survey needs to be returned by Thursday, 20 December 2012.

Yours faithfully



James Park
Flooding & Development Assessment Engineer

JMP:alg



MEDIA RELEASE

August 2012

For Immediate Release

Floodplain Management Study and Plan for Boambee-Newports Creek

The knowledge and experience of residents in the Boambee-Newports Creek catchments is being sought to help develop a Floodplain Risk Management Study and Plan for that area.

“Council is currently undertaking a Floodplain Risk Management Study and Plan to determine and assess flood management options for the Boambee–Newports Creek catchment,” said Ben Lawson, Council’s Director of City Services.

GHD Pty Ltd (GHD) has been contracted by Council to carry out the Floodplain Risk Management Study and Plan, which includes community consultation and a number of environmental and engineering investigations.

The first phase of the investigations involves reviewing the previous flood study and researching information on the flood levels and flood flows within the catchment. As part of these investigations, GHD will be liaising with the local community to get an understanding of the history of flooding in the area, as well as undertaking a number of investigative activities.

The GHD project team is keen to learn when and where past flooding has occurred, how residents and properties were affected and how people prepare for a flood. The team is also interested in finding out if local residents have particular views on possible flood management options, such as flood awareness, levées, detention basins, early flood warning systems and a number of other options.

Activities are planned to seek the community’s input. This includes a survey questionnaire and a Community Information Session.

“We’d encourage the community to return the survey questionnaire and attend the Community Information Session (planned for late September 2012) so they can meet the study team, find out more about the project and provide historical information about past flooding in the catchment,” said ??????.

A Floodplain Risk Management Committee (FMC), which includes community members, has been formed to assist the project team with the investigations. The group will meet regularly and is an important way in which the community can provide input into the development of the project. To know more about the FMC, residents can call the project’s community information line on 66505600.

To register your interest in attending the Community Information Session, or to find out more about the floodplain risk management study, please call the community information line 66505600, email: cfsmail@ghd.com

Contact:
Rainer Berg
GHD Pty Ltd
Ph: 66505600

BOAMBEE-NEWPORTS CREEK FLOODPLAIN RISK MANAGEMENT STUDY AND PLAN

COMMUNITY NEWSLETTER

November 2012

About the Project

Extensive flooding occurred in the Boambee, Newports and Cordwells Creek areas as a result of major rainfall in 1996 and 2009. To help mitigate the effects of such rainfall in the future, Coffs Harbour City Council has contracted GHD to investigate flooding in the catchment over the coming months and develop floodplain management options. The findings will then be compiled into a Floodplain Risk Management Plan.

Council and GHD are committed to listening to the concerns and issues of the community and stakeholders. Throughout the study there will be opportunities for the local community and stakeholders to feedback their concerns and issues.

Floodplain Risk Management Committee

A Floodplain Risk Management Committee (FRMC) is being formed as part of the Floodplain Risk Management Study. The FRMC will provide a link between the flood study team and the community throughout the various stages of the project. The FRMC will meet throughout the course of the project.

Further information about the FRMC can be obtained by calling the community information telephone number below.

Community Information Session

The project team is keen to learn from local residents when and where past flooding has occurred in the Boambee and Newports Creek catchments and the surrounding areas. We are interested in how you and your property were affected and how you prepare for a flood.

The community will be invited to attend a Community Information Session on 12 December 2012 to meet the study team and find out more about the project, as well as provide historical information to GHD about past flooding.

We are also interested in getting an understanding of your feelings towards particular flood management options. Attached is a survey questionnaire that all members of the community are being encouraged to fill out and return (postage paid) to ensure you have your say.

To meet the study team and find out more about the project, as well as provide historical information to GHD about past flooding, you are invited to the Community Information Session:

**Boambee-Newports Creek
Floodplain Risk Management Study Community Information Session**

**Boambee East Community Centre
Bruce King Drive, Boambee East**

Wednesday, 12 December 2012, from 7.00pm to 9.00pm

For more information contact:

Dr Rainer Berg

Boambee-Newports Creek Floodplain Management Study and Plan

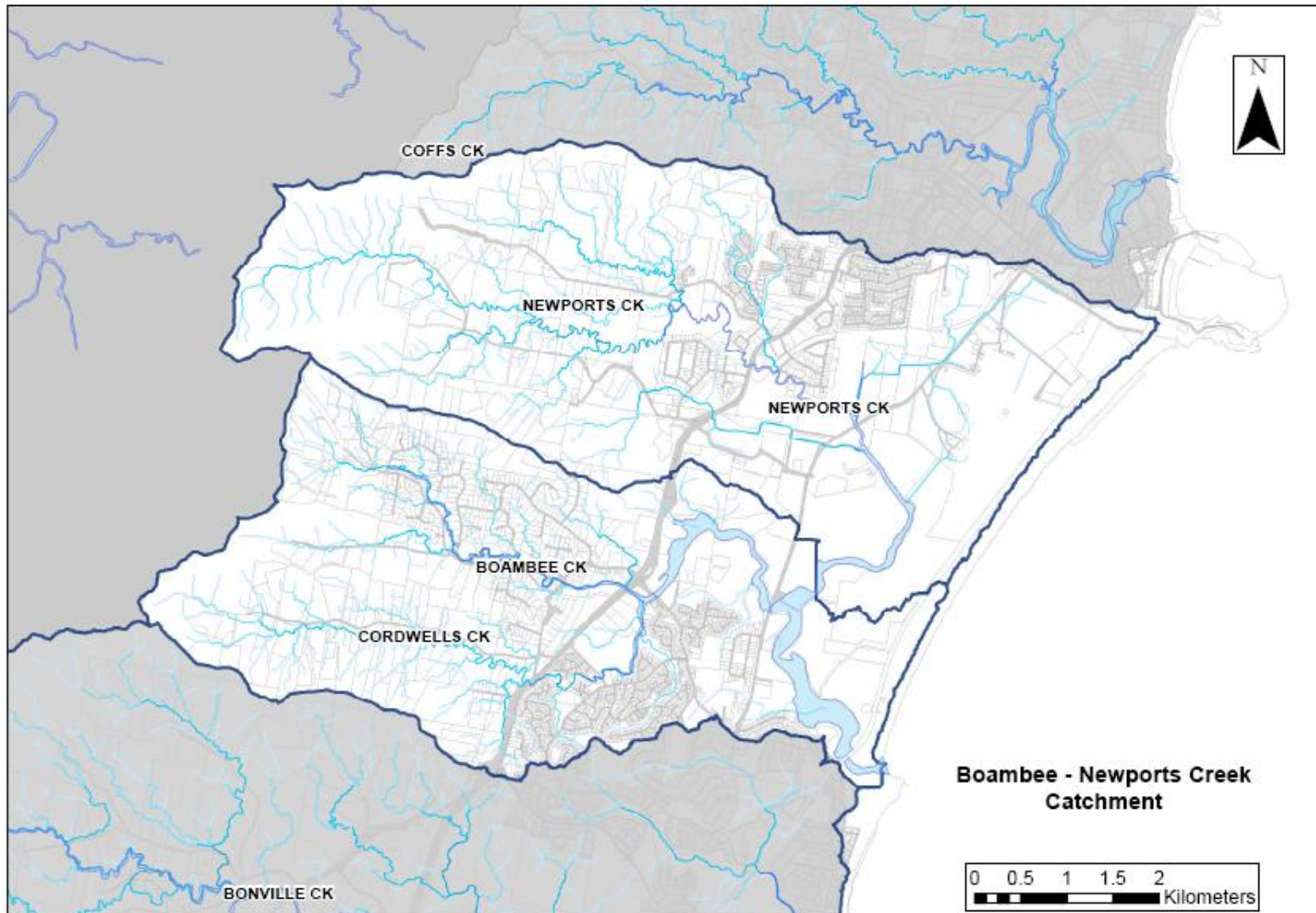
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COFFS HARBOUR NSW 2450

Facsimile – 02 6650 5601

Email – cfsmail@ghd.com.au

Project Information Line 6650 5600



SURVEY

Boambee-Newports Creek Floodplain Risk Management Study and Plan

Name: _____

Address: _____

Telephone: _____ Mobile: _____

Please include my details in the stakeholder database to receive further information on the project. (Tick here)

1. How long have you lived (or did you live) in the catchment? _____ Years _____ Months

2. Have you ever seen/experienced a flood while living in the catchment? (Please tick) Yes No

3. If yes, in what years did the floods take place? _____

4. What effects did the flood have on you and your property? _____

5. How do you prepare for a flood? _____

6. To reduce the effects of flooding, do you believe Council should focus its efforts on:

Encouraging residents to make property modifications (e.g. house-raising)

Undertaking flood modifications (e.g. building a levee)

Educating people about how to prepare for a flood

Improved flood warning and communication

Voluntary purchase in floodways

Improved development controls

Improved drainage, bypasses, detention basins etc as discussed

All of the above

7. Are there any other issues you would like us to take into consideration? _____

Thank you for taking the time to complete this survey.

Your feedback is invaluable in assisting the project team develop flood management options for the Boambee-Newports Creek areas.

Stick here

Please fold on the dotted line and stick with sticky tape

----- Fold here -----

Boambee-Newports Creek Floodplain Risk Management Study & Plan
Reply Paid 1340
GHD Pty Ltd
Coffs Harbour NSW 2450

----- Fold here -----

Please fold on the dotted line and stick with sticky tape

Stick here



Coffs Harbour City Council Boambee Newport's Creek Floodplain Risk Management Study and Plan

Community Meeting
12/12/2012



Flood History 2009 (100yr?), 1996 (100yr?), 1977, 1974

Coffs Coast IN FLOOD 2009

Hospital emergency as rising floods disrupt operations

DISASTER

Advocate

Boambee Newport's Creek Floodplain Risk Management Study and Plan

Coffs Harbour Health Campus



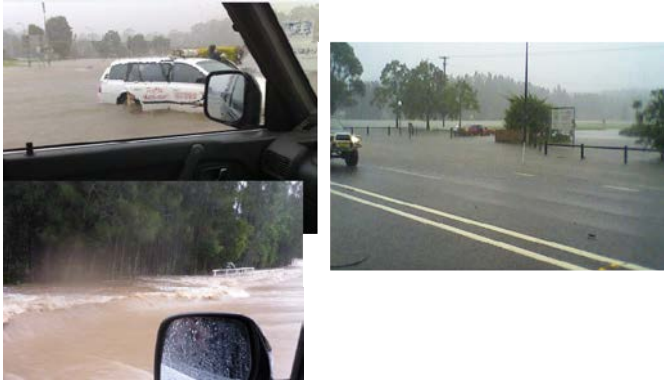
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Cunninghams



Boambee Newport's Creek FRMSP

Hogbin Drive



Boambee Newports Creek FRMSP

Industrial/Isles Drive



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North Boambee Intersection



Boambee Newports Creek FRMSP

Lakes Estate



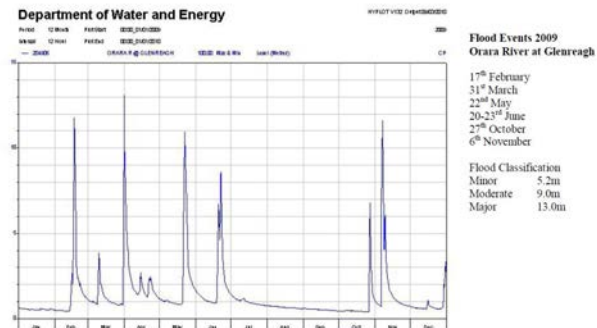
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Lindsays Rd + Middle Boambee Rd



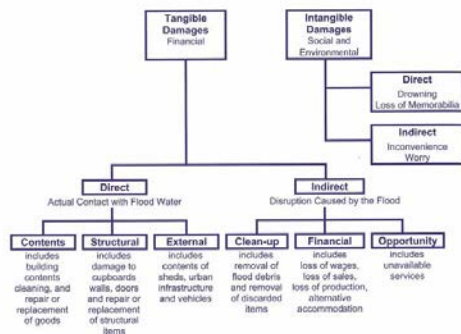
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2009 Flood Event



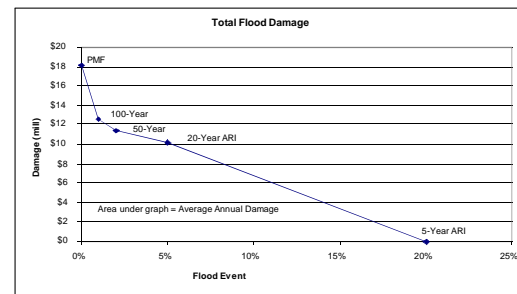
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Flood Damage



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Flood Damage Calculation



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..how does one manage Flood Liable Land?



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Floodplain Development Manual

the management of flood liable land



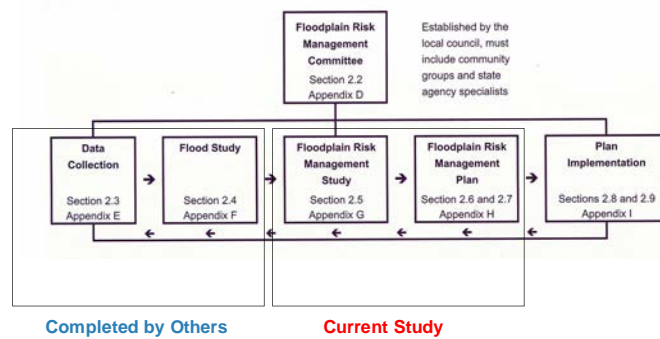
- Reduce the social and financial
- Increase the sustainable benefits of using the floodplain
- Improve or maintain floodplain

PROVIDES A PROCESS !!



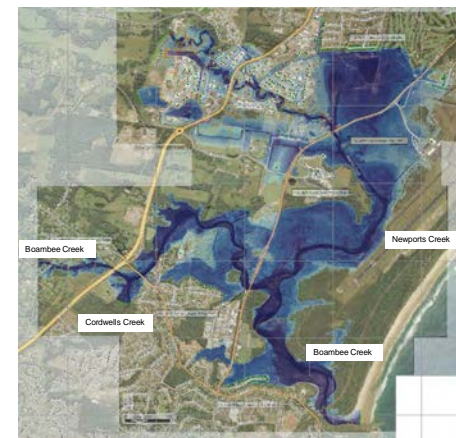
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Floodplain Risk Management Process



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Study Area



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Floodplain Risk Management Study - Key Tasks

1. Review Previous Work (Flood Study)
2. Obtain Community Input
3. Calculate Flood Damages
4. Look at Options to Manage Flooding & Assess
5. Provide a Plan



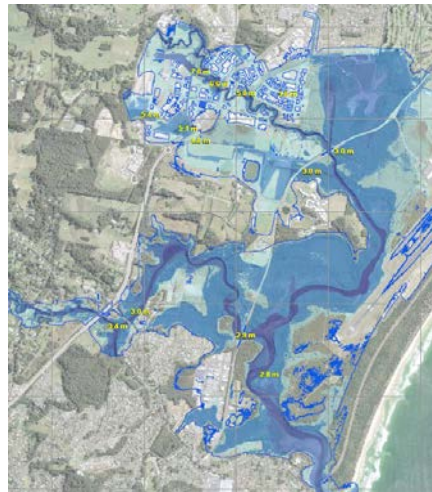
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Flood Study Review Flows



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Flood Study Review Levels



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Flood Study Review Flood Hazard



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Flood Study Review Hydraulic Slope



Boambee Newports Creek FRMSP



Community Involvement

- Media Release
- Newsletter
- Survey

BOAMBEE-NEWPORTS CREEK FLOODPLAIN RISK MANAGEMENT STUDY AND PLAN

COMMUNITY NEWSLETTER November 2012

About the Project

Extensive flooding occurred in the Boambee, Newports and Coffs Harbour Creek areas in a week of major rainfall in 2008 and 2010. To help mitigate the effects of such rainfall in the future, Coffs Harbour City Council has contracted GHD to investigate flooding in the catchment over the coming months and develop floodplain management options. The findings will then be compiled into a Floodplain Risk Management Plan.

Council and GHD are committed to listening to the concerns and issues of the community and stakeholders. Throughout the study there will be opportunities for the local community and stakeholders to feedback their concerns and issues.

Floodplain Risk Management Committee

A Floodplain Risk Management Committee (FRMCM) is being formed as part of the Floodplain Risk Management Study. The FRMCM will provide a link between the flood study team and the community throughout the various stages of the project. The FRMCM will meet throughout the course of the project.

Further information about the FRMCM can be obtained by calling the community information telephone number below.

Community Information Session

The project team is keen to learn from local residents when and where past flooding has occurred in the Boambee and Newports Creek catchments and the surrounding areas. We are dependent on how you and your property area affected and how you prepare for a flood.

The community will be invited to attend a Community Information Session on 12 December 2012 to meet the study team and find out more about the project.

SURVEY
Boambee Newports Creek Floodplain Risk Management

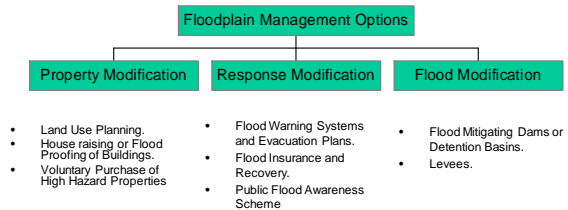
Name: _____
Address: _____
Telephone: _____ Mobile: _____
Please indicate any details in the questionnaire that are relevant to your situation.

1. How long have you been in (or lived in) the catchment?
2. How are you best described in a flood risk rating in the catchment?
3. If yes, in what year did the floods take place?
4. What effects did the floods have on you and your property?
5. How do you prepare for a flood?
6. To reduce the effects of flooding, do you believe Council should focus on:
Encouraging residents to take property modifications (e.g. house raising)
Implementing flood modifications (e.g. building a wall)
Encouraging people about how to prepare for a flood
Improved flood warning and communication



Boambee Newports Creek FRMSP

Floodplain Management Options



Boambee Newports Creek FRMSP



Preliminary Assessments

- Coffs Health Campus
 - Priority & urgent
- Properties within 100-year ARI Flood
 - High hazard? Residential or commercial? Slab on ground
 - House raising ? Voluntary purchase?
- Boambee Creek Mouth
 - Dredging/widening ? What are the benefits?
- Sawtell Road Linden Avenue
 - Reduce Local Flood Levels
- Coffs Pacific Highway Bypass
 - Incorporate flood attenuate in highway embankments?



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Preliminary Assessments

- North Boambee Valley Rezoning
 - Can flood attenuation be incorporated?
- Berms/Levees
 - Will small berms be of benefit in specific areas?
- Transportation Routes/Access
 - Maintain traffic continuity & allow emergency access
- Lakes Estate
 - Incorporate flood mitigation to benefit estate and downstream?
- Flood Warning
 - Extend the Coffs Creek Flood Warning System



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Assessment of Options

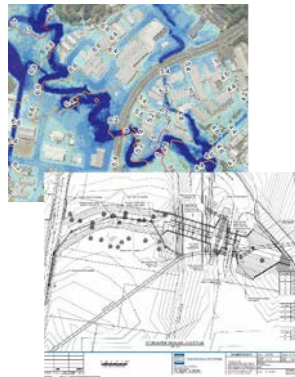
Category	Issues
Social	<ul style="list-style-type: none"> ▶ The capacity of the option to reduce flood hazards and personal safety risks to the community; ▶ How the option will influence property values; ▶ The capacity of the option to promote community growth; and ▶ The level of disruption to the community, either through implementing the option or through the resulting floodplain behaviour.
Economic and Financial	<ul style="list-style-type: none"> ▶ The capital costs associated with implementing the option; ▶ The ongoing or maintenance costs of the option; and ▶ The costs or savings of flood damage after the option is implemented.
Environmental	<ul style="list-style-type: none"> ▶ Change to ecology, habitats, riparian vegetation, and the "natural state" of the river; ▶ Pollution; ▶ Energy and resources required to implement the option; and ▶ Energy and resources required for maintaining and decommissioning the option.

Boambee Newports Creek FRMSP



Detailed Assessments

- Simulate benefits in Flood Models
- Calculate the reduction in Flood Damages
- Preliminary costing of the option
- Cost/Benefit Assessment of the Option



Boambee Newports Creek FRMSP



Floodplain Risk Management Plan

- A synopsis of the flooding, social, economic and environmental issues;
- Description of the management measures
- Priorities and staging
- Funding requirements and sources
- Actions and responsibilities;
- Administrative requirements; and
- An implementation program.



Table 12 - Floodplain Risk Management Plan

Action	Priority	Cost	Notes
Develop 12 drawings for various purposes for various flood events	High	\$14,500	\$100
Implement land use planning with and without associated with flooding, in strategic flood risk action plan	High	NA	NA
Undertake a feasibility investigation into an appropriate flood warning system for Council	High	\$10k	NA
Install flood warning system as determined by the feasibility study and accessible to the public	Medium	100 to 200k	NA
Prepare a flood warning and evacuation plan for Council and implement for the community. Develop a public awareness plan for Council and implement. Promote heavy steel as a floodplain evacuation route	High	\$50k	NA
Undertake a geomorphological and ecological assessment of Council and stage flood control and develop a condition management plan. Highlight Council role in the plan as the focus of the Vegetation Management Plan	High	\$200k	NA
The Floodplain Management Committee to be established and lead early & readily to ensure the implementation of the plan	High	NA	NA
Local Flood Works			

Boambee Newports Creek FRMSP





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