

Lord Howe Island Flood Study Review and Update



A Floodplain Risk Management Study is currently being prepared examining flooding in Lord Howe Island

The Floodplain Management Process

The Lord Howe Island Board (The Board) has engaged specialist flood consultants WMAwater to provide an improved understanding of flood behaviour and impacts on the Island. A flood investigation was completed in the late 1990's. This project will update the existing study to current conditions, making use of the available modelling techniques and outputs that have been developed since then.

The project will provide detailed mapping, which will allow the Board to make transparent and consistent decisions, ensuring that flood risk is minimised. This project has been titled Lord Howe Island Flood Study Review and Update.

The project is being undertaken in:

- consistency with the NSW Floodplain Development Manual (2005),
- consistency with national best practice,
- compatibility with future climate change scenarios,
- consistency with the transparent mapping needs of the Board.



The Study Area



Lord Howe Island

Source: <http://theconversation.com/how-we-wiped-out-the-invasive-african-big-headed-ant-from-lord-howe-island-106447>



Looking down the Man Made Drain - June 1996 Storm

Source: Lord Howe Island Flood Study - June 1998. Webb Mckeown & Associates Pty Ltd

The study area includes three catchments, King's Beach, Airport and Pinetrees to Steven's Reserve.

Significant rainfall events occurred in 1996 and 1998 in the study area. WMAwater previously undertook an analysis and have a detailed understanding of the mechanisms and consequences of these events.

WMAwater will work with the Board to produce an appropriate Flood Planning Area (FPA) and Flood Planning Levels (FPL) and will investigate various options for mitigating flood risk.

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Paddock North of TC Douglas Drive Looking to Stevens Reserve - June 1996 Storm
Source: Lord Howe Island Flood Study - June 1998. Webb Mckeown & Associates Pty Ltd

As part of the study, computer models will be established to determine the extent and nature of potential flooding in the catchment. The first stage of the Flood Study Update will collate and review all available information, and produce detailed information on the extent of flooding and flood hazard areas.

In the second stage, various mitigation measures will be assessed. The measures are aimed at managing the current and future flood risk in Lord Howe Island and can be structural and planning measures or 'response' measures.

The results of this assessment will be presented in the Lord Howe Island Flood Study Review and Update.

What's Happening Now?

This newsletter forms part of our community consultation program to involve the community in the process. The community will be called upon during stage 1 of the study to complete Questionnaires to gather information on their flood experiences. We are particularly interested in your experience of flooding. A media release will be coupled with the newsletter/questionnaire to inform on the key facts and aims of the study and identify how input can be provided.

It is also possible to fill out the survey online.

It is accessible at: <https://www.surveymonkey.com/r/LHIsland>

During Stage 4 of the project, a newsletter will be sent to the residents, and a media release will be prepared, to give an update on the study and the upcoming public exhibition and information sessions.

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Your knowledge is valuable to the preparation of a plan for flood risk management. We appreciate you taking the time to share your experience of flooding in Lord Howe Island with us.

As this is an update of the late 1990's Flood Study, we are mostly interested in your experiences of flooding between 1999 and today.

Have you ever experienced flooding in your area? (Choose any one option) (Required)

- Yes
- No

Answer this only if you have chosen "Yes" for "Have you ever experienced flooding in your area?"

Which flood events have you experienced? (Choose all that apply) (Required)

- March 2017
- January 2015
- November 2007
- Other

*Note: These dates have been selected based on high rainfall records, not evidence of floods. If you experienced flooding on other occasions, please include information in the box below.

Answer this only if you have chosen "Other" for "Which flood events have you experienced?"

Please specify

Answer this only if you have chosen "Yes" for "Have you ever experienced flooding in you area?"

What happened when it flooded? (Choose all that apply) (Required)

- Residence
- Business
- Other: _____

Answer this only if you have chosen "Yes" for "Have you ever experienced flooding in you area?"

What happened when it flooded? (Choose all that apply) (Required)

- Floodwaters entered my house/business
- Floodwaters entered my yard
- The road was flooded and I couldn't drive my car
- The Creek was flooded over its banks
- Other parts of my neighbourhood flooded

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Answer this only if you have chosen "Yes" for "Have you ever experienced flooding in your area?"

How did the flooding affect you/ your family/ your business?

(Choose all that apply) (Required)

- Parts of my house/business were damaged**
- The contents of my house/business were damaged**
- My car/s were damaged**
- I couldn't leave the house**
- Family members couldn't leave/ return to the house**
- The flood disrupted my daily routine**
- Other**

Answer this only if you have chosen "Other" for "How did the flooding affect you/ your family/ your business?"

Please specify

Answer this only if you have chosen "Yes" for "Have you ever experienced flooding in your area?"

What was the material cost of flooding to you? (e.g. Car written off, repairs to the property, etc) (Required)

Answer this only if you have chosen "Yes" for "Have you ever experienced flooding in your area?"

Do you have any photos or videos that document the flooding you experienced?

(Choose any one option) (Required)

- Yes**
- No**

Note: if YES, please upload photos and links to the videos to the story section on the main page of this project. If you're unable to do this, please send them to Retallick@wmawater.com.au with the date and location of the flooding.

Answer this only if you have chosen "Yes" for "Have you ever experienced flooding in your area?"

How long have you owned, lived in, or worked on the property? (If the time you've owned, lived in or worked in the property are different, please answer whichever is the longest period of time) (Choose any one option) (Required)

- Less than a year**
- 1 – 5 years**
- 6 – 10 years**
- Over 10 years**

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Answer this only if you have chosen "Yes" for "Have you ever experienced flooding in your area?"

Name

Note: Your personal details will not be shared without your consent

Answer this only if you have chosen "Yes" for "Have you ever experienced flooding in your area?"

Address

Note: Your personal details will not be shared without your consent

Answer this only if you have chosen "Yes" for "Have you ever experienced flooding in your area?"

Daytime phone number

Note: Your personal details will not be shared without your consent

Answer this only if you have chosen "Yes" for "Have you ever experienced flooding in your area?"

Email address

Note: Your personal details will not be shared without your consent

Answer this only if you have chosen "Yes" for "Have you ever experienced flooding in your area?"

Do you give permission for WMA Water to contact you to discuss the information you have provided? (Choose all that apply) (Required)

- Yes
- No

Survey ended.