

BANANA SHIRE FLOOD STUDY

Study progress

What is included in Stage Three of the Study?

In Stage Three, proposed areas of investigation to protect residents from the impacts of flooding will be presented to the community for review and comment.

Community consultation will occur in Stage Three, and community feedback gathered during this time will be used to inform the Floodplain Management Plan.

When will the project be completed?

The project will be complete upon submission of the Floodplain Management Plan and recommendations to Council. This is expected to occur in September 2016.

What has happened in previous stages?

Stage One (November - December 2015)

Stage One of the Banana Shire Flood Study was completed in December 2015 following consultation sessions in Jambin, Biloela, Theodore and Taroom. Questionnaires, feedback and images were used to inform the Flood Study and future Floodplain Management Plan.

Stage Two (May - July 2016)

In Stage Two, Council assembled all related data including Stage One community feedback to create a flood model to understand flood patterns and test future flood event scenarios. The results from the simulations are provided in the Dawson River Flood Study Draft Report. This report and its supporting documents are available for viewing on Council's website.

Areas of investigation and flood mitigation measures

What areas of investigation are being proposed to the community?

Depending on the results of prior analysis, there are a range of areas being investigated to protect residents from the impacts of flooding. Any potential mitigation options being proposed to Council will aim to reduce the impacts of flooding to these areas.

Where can I view information on proposed areas of investigation for my town?

More information on the proposed areas of investigation to protect residents from the impacts of flooding in each town can be found on Council's website.

The following towns are included as part of the Study:

- Baralaba
- Biloela
- Dululu and Wowan
- Goovigen and Jambin
- Moura
- Taroom
- Thangool
- Theodore.

How were the areas chosen for potential investigation?

Areas of investigation were selected by Council and the project team as being known high risk locations based on historic and simulated flood events. Further consideration was given to areas where viable and local mitigation measures could be developed, and where the evacuation opportunities needed to be reinforced. Some mitigation measures may be implemented by Council while others will require inputs from other levels of government.

What mitigation measures may be investigated for each area?

Where viable, flood mitigation strategies are aimed at reducing residual risk, improving safety and minimising damage by reducing peak flood levels and depths, improving warning times and reducing flow velocities. This can be achieved through both structural and non-structural measures.

Structural measures are generally directed to changing the flow of floodwaters. Structural measures include:

- Delaying runoff from entering major streams (detention or retention basins and dams)
- Providing barriers to flood flows (levees)
- Channelisation to increase flow capacity (widening or deepening of channels)
- House raising.

Non-structural measures are generally directed to changing peoples' behaviours. These are generally achieved through:

- Land use planning
- Development control measures and relocation
- Insurance
- Emergency management and evacuation planning
- Developing resilience
- Recovery strategies.

Who will decide what mitigation measures to implement?

A Floodplain Management Plan with recommendations will be presented to Council for review. This is the final stage in the Study and any decisions regarding mitigation measures will be made by Council.

How is this study related to the Department of Energy and Water Supply (DEWS)?

The Department of Energy and Water Supply (DEWS) is currently investigating a number of upstream structural mitigation measures directed at reducing flood risk in the overall Callide Valley. These include adjustments to the Callide Dam (physical and operational), and other dams south of Biloela. This is a separate study to the Banana Shire Flood Study, and will be made available to the community by DEWS.

Community Consultation

How can I participate?

Council has provided a number of ways you can participate in the Study, including:

- Meet our project team –
 - Drop-in sessions will occur during some stages of the Study. Stage Three community consultation will occur on the following dates:
 - Monday 11 July 2016 Jambin and Biloela
 - Tuesday 12 July 2016 Theodore
 - More information regarding community consultation sessions can be found on Council's website
- Chat to our project team –
 - 1800 428 919 (freecall)
- Email our project team –
 - floodstudies@kbr.com

- Download our feedback survey –
 - Provided on Council's website for each town
- Send reply-paid mail to our project team –
 - Banana Shire Flood Study
Reply Paid GPO Box 633, Brisbane, 4001.

Council encourages you to attend community consultation sessions to meet our project team and discuss the Study.

Next Steps

All feedback received will be reviewed by the project team and provided to Council for consideration. Through this process, the project team will recommend options for detailed modelling and incorporate this information into the planning of the Floodplain Management Plan.