

Fact Sheet

Kolan River and Gin Gin Creek Floodplain Risk Management Study

GHD was commissioned by Bundaberg Regional Council to undertake a Floodplain Risk Management Study (FRMS) for the lower Kolan River floodplain and the township of Gin Gin located on Gin Gin Creek.

What is a Floodplain Risk Management Study?

A Floodplain Risk Management Study uses the results of a Flood Study to assess the degree of flood risk, the potential impacts of flooding on a community (including private properties and public infrastructure), and makes recommendations to manage existing and future flood risk.

Outcomes & Outputs

The Floodplain Risk Management Study has provided Bundaberg Regional Council with a wealth of information and mapping products that will raise awareness on flood risk, enable the community to make informed decisions, and assist Council in developing strategies to manage flooding into the future. Some of the key outcomes and outputs include:

- A detailed analysis of flood travel times and duration of inundation.
- Mapping of the numbers and locations of properties and key pieces of community infrastructure that are affected by flooding for the full range of design flood events.
- An estimate of the average annual cost of flooding in terms of damage to residential dwellings.
- Mapping of the floodplain function, showing areas that represent active conveyance zones, storage areas, and flood fringe areas.
- An assessment of the amount of rainfall that may cause flooding that impacts on the community.
- Evacuation Route Maps identifying key evacuation routes that may be cut by flooding.
- Identification of 4 potential drainage upgrades and 3 areas for further investigation within the Gin Gin township.
- A range of other recommendations for improving the early flood warning system and improving community awareness.

