



WHAT DOES THIS MAP SHOW?

This map shows the flood extent and flood hazard categories for a 100 year flood. A 100 year flood will occur on average once every 100 years. This is a larger flood than the one in 1967. The mapping was prepared using data from the flood model that was developed for the Herbert River Improvement Trust in 2003.

The flood hazard categories are shown using different colours and the hazard number assigned to the colour is shown in the legend. The flood hazard is calculated using the flow depth and how fast the water is flowing. A category five area is where the water is flowing fast and/or deep and is the most hazardous. The categories shown here were developed to assist the road designers in identifying route options. These hazard categories are different from those developed for the Trust in 2003 and now shown in the Council's planning scheme.

HOW DOES THE MAP HELP ROAD DESIGNERS?

Road designers have to ensure that any highway improvement does not significantly increase flood levels on nearby land. Drainage structures such as bridges and culverts are used in a road embankment to pass water and hence minimise flood level increases. The map illustrates where more drainage structures are required. For example, a 1 kilometre length of road in a category 5 area will require more drainage structures than a 1 kilometre length of road in a category 1 area. Therefore the designer would prefer to take the road through a category 1 area. However if the road needs to go a long way around to stay in category 1, this may be more expensive than taking a much shorter route through category five. Knowing this, the designer can use this map to develop preliminary route options, in conjunction with other study assessments and community consultation.



LEGEND

Flood Hazard Rating

- Category One
- Category Two
- Category Three
- Category Four
- Category Five



Extent of 2D Flood Model



Cadastral Boundaries

Title:

Highway Planning Study - Rutledge St. to Cardwell Range Flood Hazard Rating - 100 Year Flood

BMT WBM endeavours to ensure that the information provided in this map is correct at the time of publication. BMT WBM does not warrant, guarantee or make representations regarding the currency and accuracy of information contained in this map.



0 2 4km
Approx. Scale

Figure:

One

Rev:

E



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