



This map shows the likely path of runoff following very intense rainfall, as water traverses over the ground surface, along roads and through natural low points and other minor waterways. The depth of water shown on this map ranges from a few centimetres (sheet flow) to over a metre (concentrated overland flow). The overland flow paths on this map may result from intense rainfall events lasting from several minutes to several hours. The flooding shown on this map is derived from the results of many simulations of different storm events that cumulatively represent the 1% AEP overland flow flood event for Gin Gin. The below table shows the depths of rainfall and rainfall durations that may cause similar flooding to that shown on this map.

The 1% AEP overland flow flooding as shown on this map may result from:	
This much rainfall...	...falling within this period of time
60 mm	15 minutes
85 mm	30 minutes
120 mm	1 hour
160 mm	2 hours

Hazard	
■	Low
■	Significant
■	High
■	Extreme

1. **Low** – self evacuation possible for adults and children, vehicle stability within tolerance for large 4WD
2. **Significant** – working limit for trained safety workers, Vehicle evac unsuitable, Building Code limitation
3. **High** – limit of uncompromised stability for adults (dangerous to most)
4. **Extreme** – in excess of known stability limits

LEGEND
● Further Investigation Area — Other Roads 2D Model Boundary
▲ Potential Drainage Upgrade — Highways & Main Roads

Scale 1:5,000 @ A1
 0 125 250
 Metres
 Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1994
 Grid: GDA 1994 MGA Zone 55



Bundaberg Regional Council
 Kolan River Floodplain Risk Management Study
Gin Gin Local Overland Flow Path
1% AEP Flood Hazard

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