KATHERINE FLOOD MAPPING
KATHERINE RURAL AREA - Sheet 4
COMPUTED 1% AEP (1 in 100 Year) FLOOD EXTENT and PEAK FLOOD SURFACE CONTOURS

Notes

1 This map shows the 1% Annual Exceedance Probability (1% AEP) flood extent, and is based on the modelled results as described in the report - ***Katherine River Flood Study. Report No. 0302-07-B2 November 2017***, by WRM Water & Environment Pty Ltd.

2 The flood model cell size is 25 metres, and is based on topography extracted from 2.5 m photogrammetry DTM (2016).

3 Floodway area is defined as the area where the product of water depth and flow velocity (DxV) exceeds 1m²/s.

4 Floodway is defined as the area where the depth of floodwater exceeds 2.0 metres.

5 A 1% AEP flood (often referred to as the Q_{100}) is defined as a flood magnitude which has a 1 in 100 chance of being equalled or exceeded in any one year.

6 This map is intended to be used at a scale of 1:25,000 and any enlargement beyond this scale does not increase the accuracy of the data that appears on the map and is not recommended.

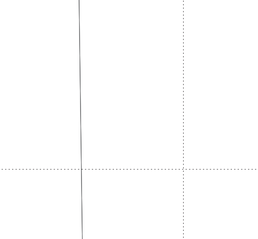
7 An accurate flood extent at any location can only be obtained by a survey traverse from a known location.

8 The flood information shown on the map is considered as indicitive only.

9 Irregular (stepped) boundaries on the Floodway Area occur in some locations due to limitations in the ability of the hydraulic model to represent significant elevation changes (such as vertical cliffs or steep slopes) over distances shorter than the adopted model resolution of 25 metres (i.e. 25m x 25m grid cell size).

Legend

- Flood extent (fringe) Depth 0.0 - 0.15 metres
- Flood extent Depth 0.15 - 2.0 metres
- Floodway area Depth x Velocity > 1m²/s
- Floodway Depth > 2.0 metres
- 106.8 Peak flood surface contour metres AHD (Interval - 0.20m)
- Drainage channel, flow direction
- Drainage Line
- Waterhole, Swamp
- Limit of flood mapping
- Property boundaries (July 2020)
- Road centrelines
- Municipality Boundary
- Railway
- Park or Reserve boundary
- Bridge, causeway

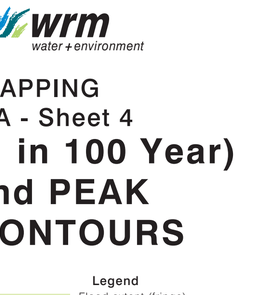


Flood information and products are available from:
https://nt.gov.au/floods
https://nrmaps.nt.gov.au

For further information contact:
Department of Environment and Natural Resources, Water Resources Division
4th Floor Goyder Centre, 25 Chung Wah Terrace, Palmerston, Northern Territory
T: (08) 8999 4455 **Email:** waterresources@nt.gov.au
PO Box 496, Palmerston, NT 0831

metres 0 500 1000 1500 2000 metres 2500

Map Grid of Australia (MGA) Zone 53 Horizontal Datum: GDA 94



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Department of Environment and Natural Resources
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Geospatial Services
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GDA
This map was produced on the Geocentric Datum of Australia 1994 (GDA 94)

This flood mapping is a joint project between
Department of Infrastructure, Planning and Logistics and Department of Environment and Natural Resources