

# WATER STUDIES PTY LTD

## KATHERINE TOWN AREA

### COMPUTED 5% AEP (1 in 20 Year) FLOOD EXTENT and FLOOD SURFACE CONTOURS

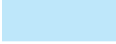




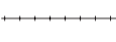


June 2006

This map, one of a series of three showing the 1 in 20 year, 1 in 50 year and 1 in 100 year flood extent, is a product of the Katherine River Flood Model developed by Coffey Water Studies (Report No. 02/2000D) in 2000 and revised in September 2003 by Water Studies Pty Ltd, incorporating major new developments in the Katherine area. The information shown on this map produced in June 2006, supercedes all previous maps

and is available from;

**MapsNT, Department of Planning and Infrastructure,  
Nichols Place, cnr. Cavenagh and Bennett Streets, Darwin.**

**Department of Natural Resources, Environment and the Arts,  
Randazzo Arcade, 16 Katherine Terrace, Katherine.**

-  Flood extent
-  Floodway, depth > 2 metres
-  Flood surface contour - m AHD  
(Contour Interval - 0.25m)
-  River
-  Creek or drain
-  Property boundary
-  Rail Corridor
-  Gas Pipeline

Notes :

1. This map delineates areas in and around Katherine town which are subject to inundation by a flood of 5% AEP (Annual Exceedance Probability) severity from the Katherine River and its tributaries. Extent of flooding shown on this map is approximate only. An accurate flood extent boundary at any point on this map should only be obtained by survey traverse from a known level.
2. Floodway is defined as the area where the depth of floodwater exceeds 2.0 metres or the velocity exceeds 0.8 m/second.
3. A 5% AEP flood (often referred to as the Q20) is defined as a flood which has a 1 in 20 chance of being equalled or exceeded in any year. The 5% AEP flood level at the old Railway Bridge Water Resources recorder gauge board is 18.87 metres.
4. This map is intended to be used at a scale of 1 : 20 000 and any enlargement beyond this scale does not increase the accuracy of the data appearing on the map and is not recommended.
5. For further technical information contact the Principal Engineer, Water Resources, Land and Water Division, Department of Natural Resources, Environment & the Arts. Phone (08) 8999 3658, Fax, (08) 8999 3667, Goyder Centre, Chung Wah Terrace, Palmerston, Northern Territory.

#### LOCALITY MAP



This map was produced on the Geocentric Datum of Australia 1994 (GDA 94)



Transverse Mercator Projection  
Map Grid of Australia (MGA) Zone 53  
Horizontal Datum: Geocentric Datum of Australia (GDA) 1994  
Vertical Datum: Australian Height Datum (AHD) metres 1971

Prepared by  
Spatial Data & Mapping Branch,  
Land and Water Division,  
Department of Natural Resources, Environment and the Arts.

Design File: Kath-Town\_20yr\_53m  
Plot File: Kath-Town\_20yr-Flood

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