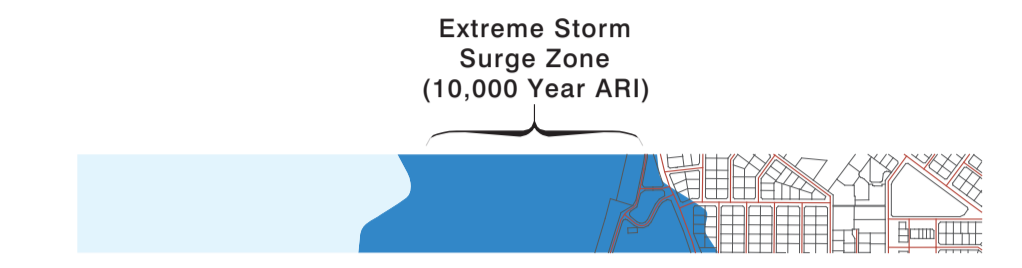


**NORTHERN TERRITORY STORM SURGE MAPPING**  
**BYNOE AREA**  
**10,000 YEAR STORM SURGE INUNDATION**  
**for 2100**



The technical information forming the basis of this storm surge inundation mapping is contained in the following reports prepared for the NT Government by Systems Engineering Australia Pty Ltd (SEA):

1. Darwin Storm Tide Mapping Study - 2006
2. High Resolution Storm Tide and Climate Change Impacts Study - 2010

Using the storm surge levels from the above studies, the inundation extent for the projected mean sea level in 2100 was developed by GHD Pty Ltd in 2014 based on the latest topographic information (2009 and 2011). This map is produced by the NT Government for the Dundee area based on the storm surge inundation extent.

The map shows the total storm surge (technical terminology is storm tide) hazard risk due to tropical cyclones in terms of ocean water level comprising the combined effects of astronomical tide plus storm surge plus wave setup for one statistical Average Recurrence Intervals (ARI). The 'Extreme Storm Surge Zone' shown on the map refers to the extent of inundation for a storm tide event of 10,000 year ARI (with approximately a 0.5% chance of exceedance within any 50 year period). The extent does not include the possible effects of very localised wave runup.

Average Recurrence Interval (ARI) is also called Return Period of the Risk and is defined as the 'average' number of years between successive events of the same or greater magnitude. The ARI of a storm tide event gives no indication of when a storm tide of that magnitude may occur.

For detailed interpretation of this map and further information contact:  
 Water Resources NT, Department of Land Resource Management  
 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

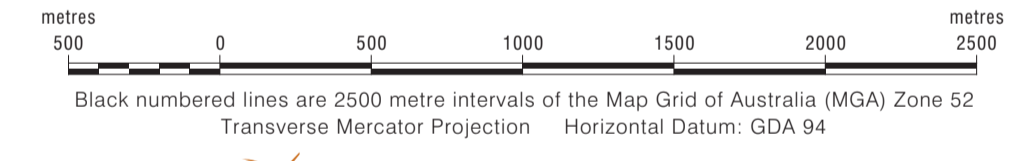
Storm surge reports and maps are available on [www.nt.gov.au/floods](http://www.nt.gov.au/floods)  
 This map produced **November 2014**, supercedes all previous versions.  
 The map name has changed from Dundee Area 2 to Bynoe Area.

**GENERAL FEATURES**

Local Government Area		LITCHFIELD
Property / Road Boundaries		
Suburbs / Localities		STUART PARK
Major Road		
Minor Road		
Park / Reserve		
Railway		
Gas pipeline		
Watercourse, Lake or Lagoon		
Mangroves		

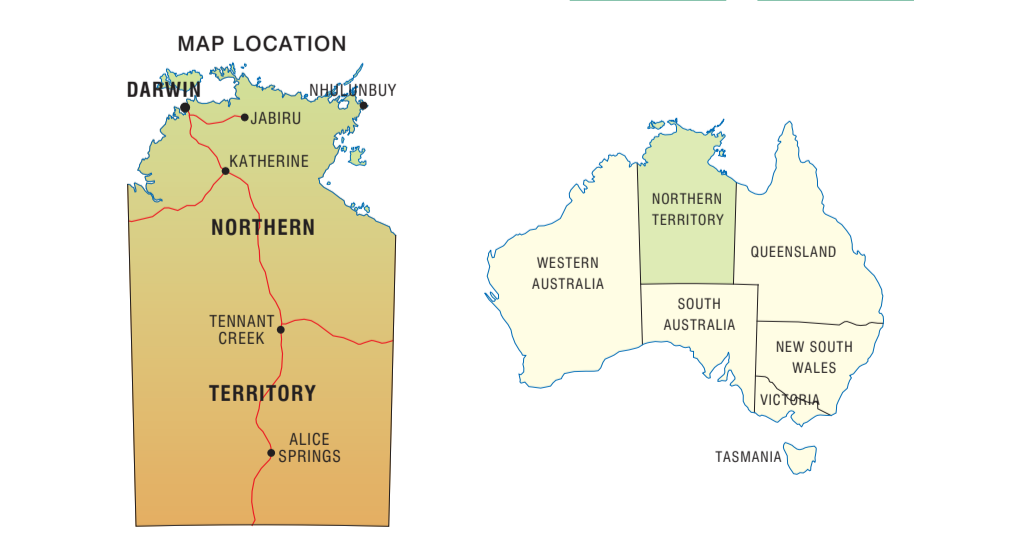
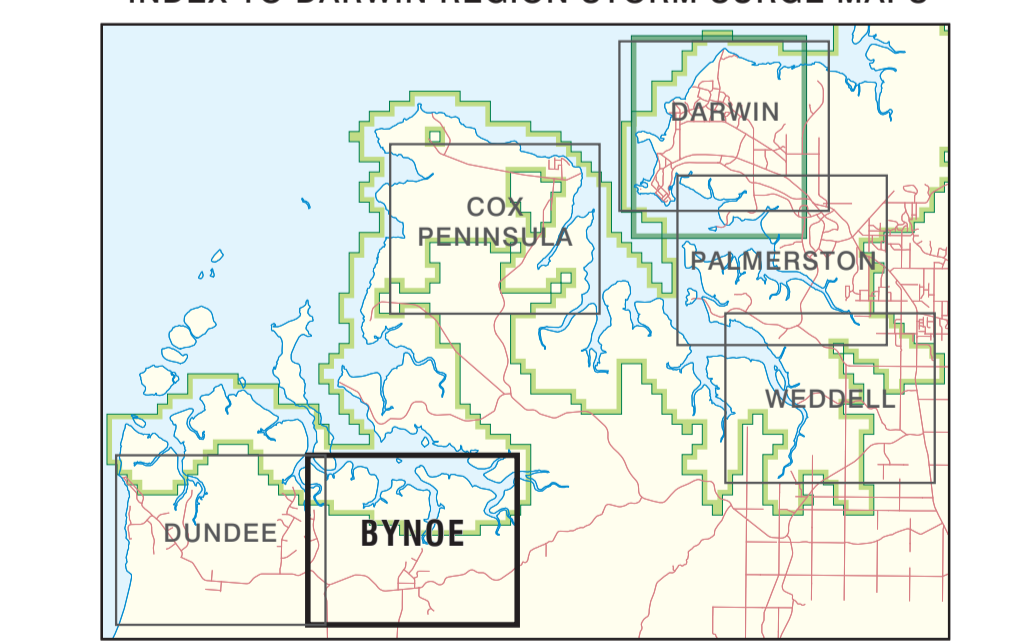
**Data Source:**  
 Cadastre, road centrelines and administrative information  
 Northern Territory Department of Lands, Planning and the Environment.

**Map prepared by:**  
 Spatial Data and Mapping, Water Resources NT,  
 Department of Land Resource Management,  
 Goyder Centre, Chung Wah Terrace, Palmerston,  
 Northern Territory of Australia.



Black numbered lines are 2500 metre intervals of the Map Grid of Australia (MGA) Zone 52 Transverse Mercator Projection Horizontal Datum: GDA 94

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



© Northern Territory of Australia  
 The product and all material forming part of it is copyright belonging to the Northern Territory of Australia. You may use this material for your personal, non-commercial use or use it within your organisation for non-commercial purposes, provided that an appropriate acknowledgement is made and the material is not altered in any way. Subject to the fair dealing provisions of the Copyright Act 1968, you must not make any other use of this product (including copying or reproducing it or part of it in any way) unless you have the written permission of the Northern Territory of Australia to do so.

The Northern Territory of Australia does not warrant that the product or any part of it is correct or complete and will not be liable for any loss damage or injury suffered by any person as a result of its inaccuracy or incompleteness.