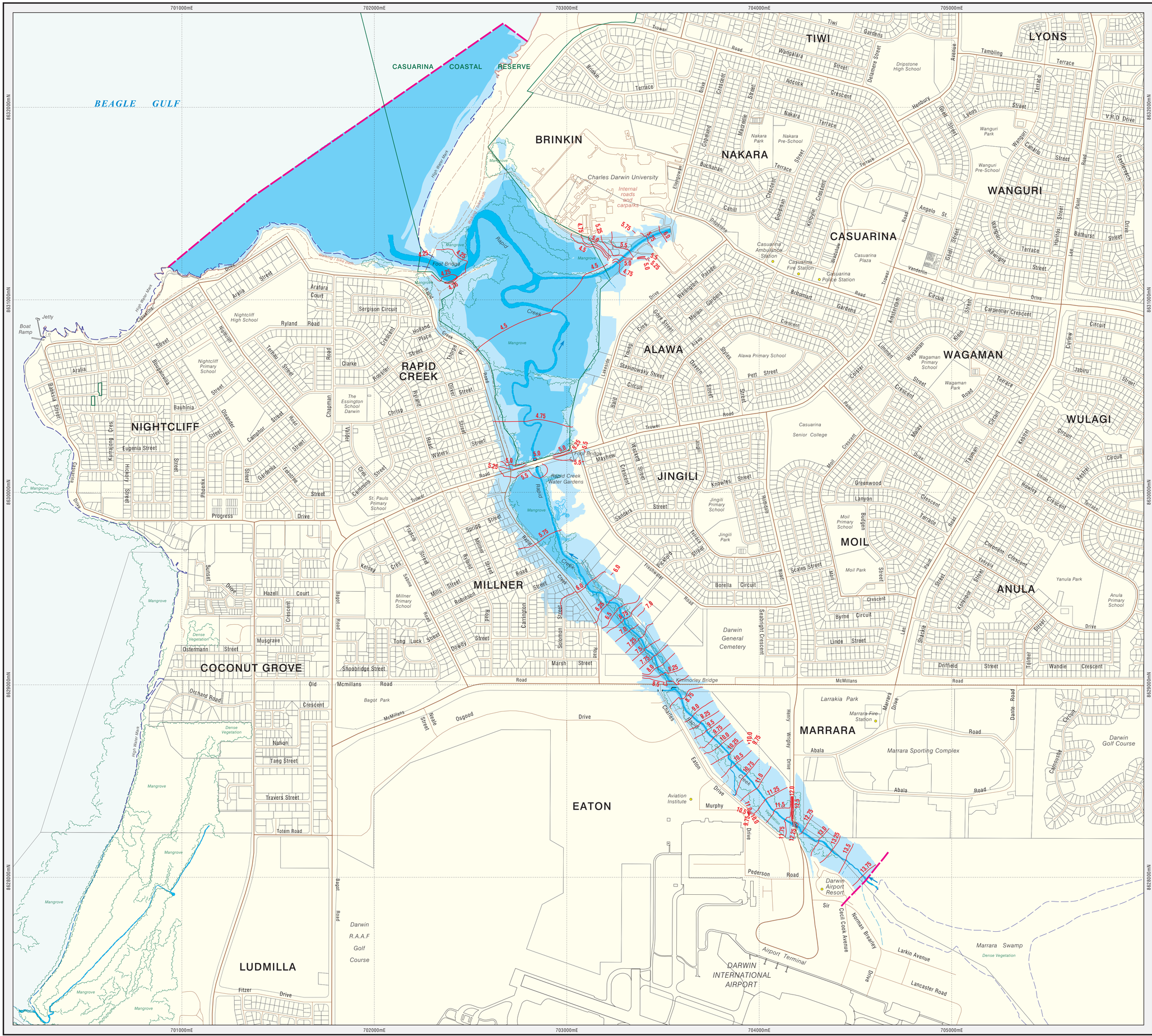

Northern Territory Government

SINCLAIR KNIGHT MERZ SKM

MUNICIPALITY DARWIN

RAPID CREEK COMPUTED 1% AEP (1 in 100 Year) FLOOD EXTENT and PEAK FLOOD SURFACE CONTOURS for 2100

This map shows the flood and floodway extents caused by a flood of 1% Annual Exceedance Probability (AEP) severity. The map delineates areas in and around Rapid Creek from the Marrara Swamp to the mouth of the creek. The extent of flooding shown on this map is approximate only. This map is available for sale from:

Land Information Centre,
Department of Lands, Planning and the Environment
3rd Floor NAB House, 71 Smith Street, Darwin, Northern Territory, 0800
T: (08) 8995 5300 **Email:** landinfo@nt.gov.au
GPO Box 1680, Darwin, Northern Territory, 0801.

This map is also available online at:
www.lrm.nt.gov.au/nrmapsnt www.nt.gov.au/floods

Legend

- Flood extent
- Floodway, depth >2 metres (or velocity x depth > 1)
- 18.25 Peak flood surface contour, metres AHD (Interval - 0.25m)
- Creek channel / flow direction
- Limit of flood mapping
- Property boundary
- Road centreline
- Reserve boundary
- Bridge / culvert
- Walking track or bike path
- Major drain
- Cliff
- Approximate high water mark / coastline
- Approximate edge of mangrove or dense vegetation

Notes:

This map is one of a series of two showing the 1% AEP (1 in 100 year) and the Probable Maximum Flood (PMF) flood and floodway extents. The map is based on the modelled results from the **Rapid Creek Flood Study (Report October 2012 and Addendum March 2013)** by Sinclair Knight Merz (SKM).

The Flood Study was based on sea level equivalent to the mean sea level for 2100 plus the highest astronomical tide (HAT).

HAT is the highest ocean level expexted due to any combination of astronomical conditions alone and has an equivalent average recurrence interval of approximately 18.6 years.

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

Floodway is defined as the area where the depth of floodwater exceeds 2.0 metres or the velocity x depth exceeds 1.

This map is intended to be used at a scale of 1:10,000 and any enlargement beyond this scale does not increase the accuracy of the data appearing on the map and is not recommended.

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

For further information contact:

Water Resources, Department of Land Resource Management
4th Floor Goyder Centre, 25 Chung Wah Tce,
Palmerston, Northern Territory.
T: (08) 8999 4455 **Email:** Water.DLRM@nt.gov.au
PO Box 496, Palmerston, NT 0831.

metres 0 250 500 750 1000 metres

Black numbered lines are 1000 metre intervals of the Map Grid of Australia (MGA) Zone 52
Transverse Mercator Projection
Horizontal Datum: GDA 94

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

N

MAP LOCALITY

Prepared by:
Spatial Data & Mapping Unit,
Water Resources Division,
Department of Land Resource Management
Northern Territory of Australia

NOVEMBER 2013