

Floodplain Risk Management Committee

Central area

17/04/2018



Meet the Team.

Peter Nunn	19 years experience in floodplain management. State Award for Excellence in Strategic Master Planning for Stormwater and Floodplain Management (2014)
Isabelle Ghetti	18 years experience - 2 Masters (Polytech Montpellier-1 st class honours, UTS)
Dr Petar Milevski	24 years experience - Ph. D in Hydraulics - ANU visiting fellow
Yelia Pandika	28 years experience - 2 Masters
Rudy Van Drie	30 years experience. Bachelor, co-author of 2 hydrological models - ANU visiting fellow

Authors of dozens of Industry Conference papers and presentations at Flood Conferences



The Floodplain Risk Management Process

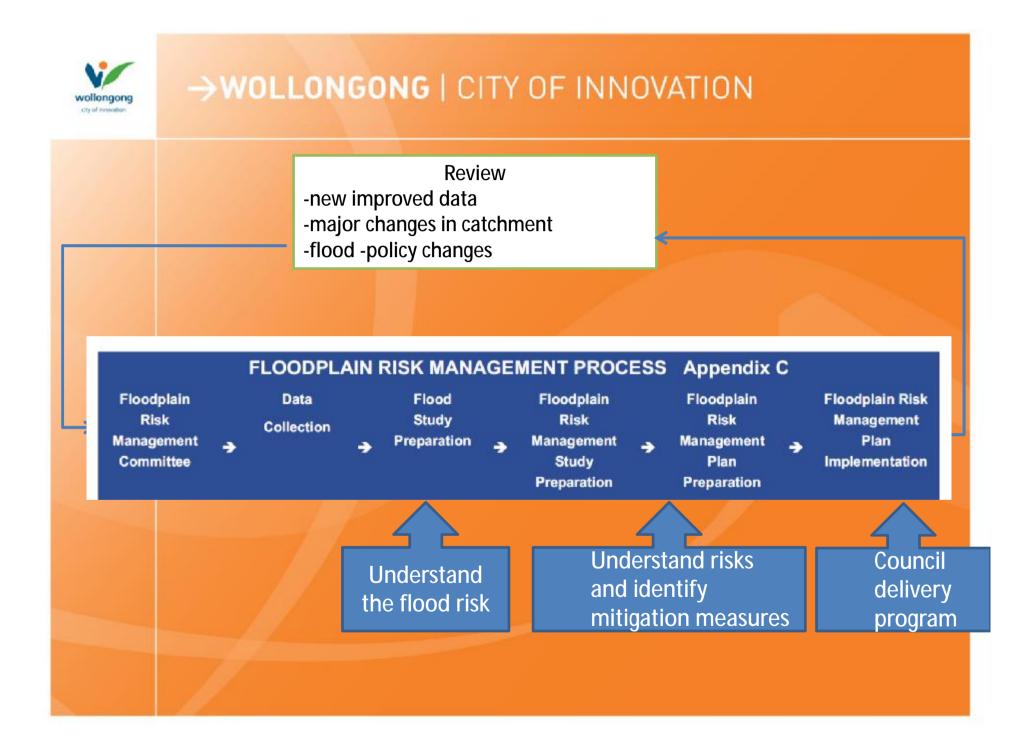


Management of flood risk in NSW is a responsibility of local government

Floodplain Development Manual the management of flood liable land April 2005

Policy Guidance is provided by NSW Government: Office of Environment and Heritage



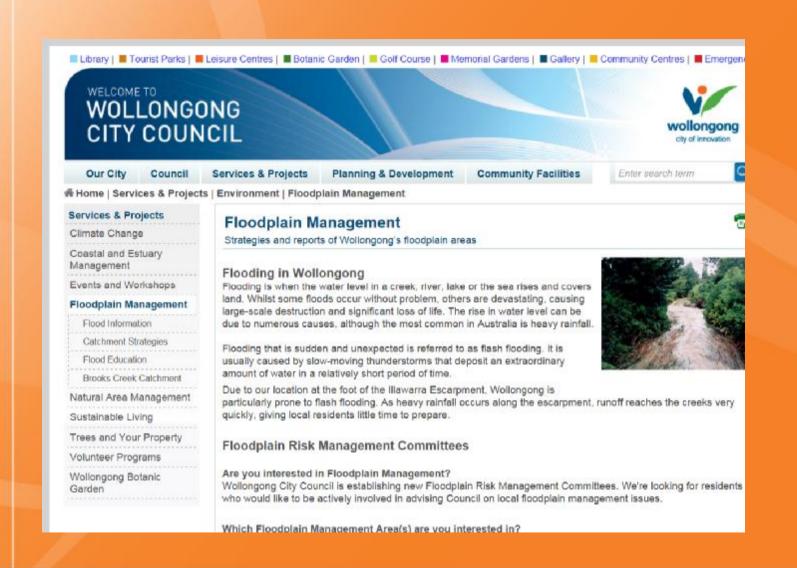




Status of flood risk Management in Wollongong









Catchments	Councillors membership (February 2018)	Committees Established February 2018
Hewitts Collins Towradgi	Cr Jenelle Rimmer Cr Mithra Cox [Chair] Cr Janice Kershaw	Northern area
Fairy Cabbage Tree Wollongong City Allans (already formed)	Cr Cath Blakey, Cr Tania Brown and Cr John Dorahy [Chair]	Central area
Minnegang Kully Bay Mullet and Brooks	Cr Cameron Walters, Cr Vicky King and Cr Dom Figliomeni [Chair]	Southern Area
Lake Illawarra Duck Creek		



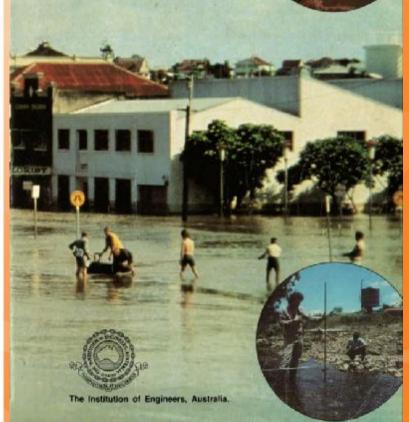
Recent changes in guidelines and policies



AUSTRALIAN RAINFALL AND RUNOFF

A Guide to Flood Estimation

VOLUME 1





Enter Email Address

478 Update November 2015 - A38 2016 Guidelines afficially finalized

REGISTER

ARR Guidelines

- Data

The ARR Guideline

the Asse guideline is available at the moment in two formats:

epublicienticad.

web based

Epub is an open e book format that can be read through many devices. You can access epub documents through if adds and kindles as well as on your PC with an epub reader. There are many free epub readers that are available for down oad (one such a Calibre available for down load here).

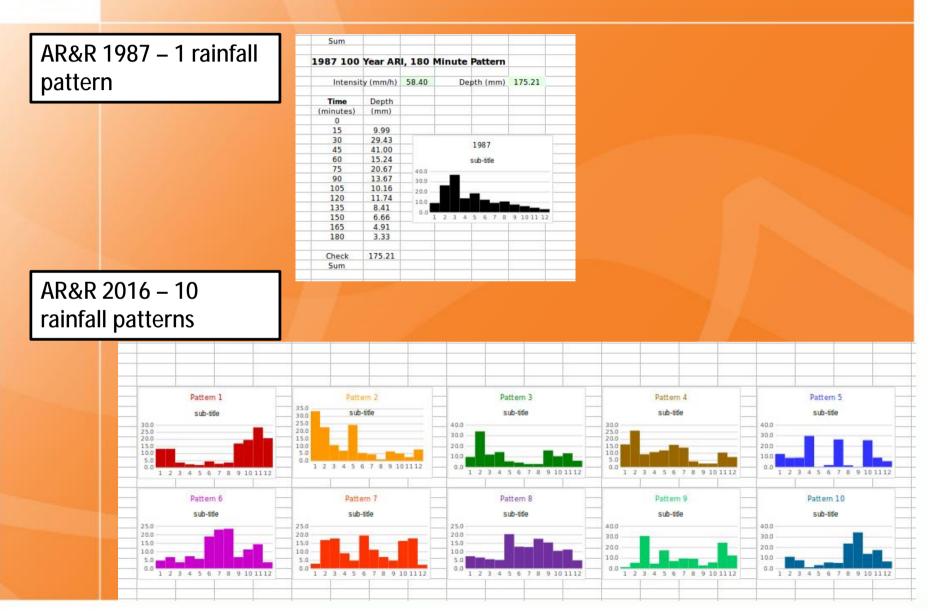
Software

Organisations have produced enabling software to support the guidelines. These software applications are listed for your reference. Geoscience Australia coes not endorse or recommend or provide support for this material.

Multisite Rainfall Sknullator

· Registed Floral Forguency Analysis















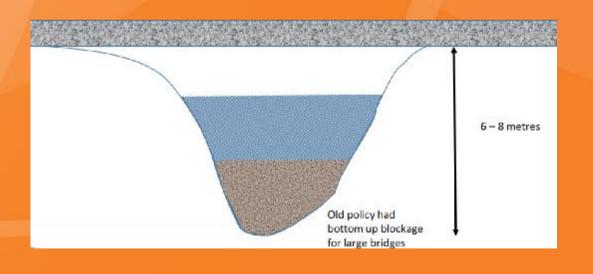
Council first blockage policy developed in response to 1998 flood and impacts of blockages

Council blockage policy reviewed in 2016 in view of 15 years of data collection + new guidance provided in Australian Rainfall and Runoff Manual 2016



Culvert Blockage

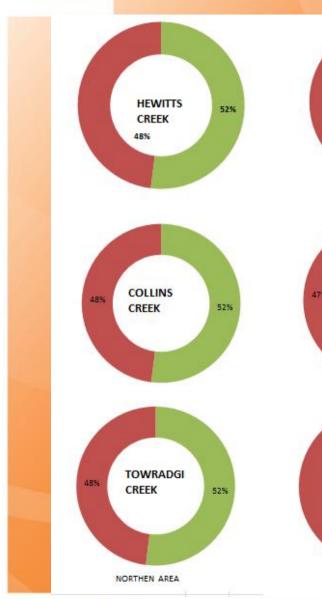
- 2002 Policy Culverts less than 6m (diagonal) 100% blocked
 Culverts greater than 6m (diagonal) 25% blocked
- 2016 Risk Management Blockage Varies from 60% to 95% blocked
- 2016 Design Blockage Varies from 35% to 75% blocked
- the 2016 Blockage factors are generally lower compared to 2002 policy

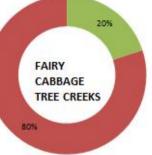




Review of blockage policy and new guidance provided in Australian Rainfall and Runoff Manual 2016 triggered review of ALL flood studies for Wollongong Council







WOLLONGONG

20%

CITY

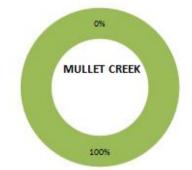
ALLANS

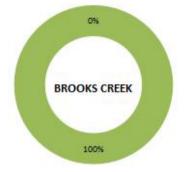
CENTRAL AREA

CREEK

80%

53%





Implementation of revised blockage factors for Wollongong Catchments Flood studies % complete March 2018

