



Mark Babister

Panel Chair

Mark is a national leader in floodplain management and analysis. He has successfully completed numerous hydrologic, hydraulic, floodplain management, infrastructure and dam studies. Mark's clear, concise communication style allows him to communicate with all levels of government, stakeholders and the community. Mark has undertaken many infrastructure projects where his key role is to explain the impacts of flooding to a community struggling to understand technical jargon. He has also developed solutions to infrastructure projects that benefit the community both at a regional and a household scale.

Mark is an editor of the 2016 Edition of Australian Rainfall and Runoff, giving Mark a high level of familiarity with current and the direction of future best practice both within Australia and Internationally. Mark has had key roles in the development of a number of national best practice documents. Mark has undertaken a number of expert advice roles including the Queensland floods commission of inquiry, Natural Disaster Insurance Review, Ministerial Advisory Council for the Wivenhoe Manual, and the Brisbane River Catchment Flood Study – Independent Panel of Experts. In 2017 Mark was awarded the Engineers Australia Sir John Holland Civil Engineer of the Year award.

FIRM

WMA Water

SPECIALISATION

Community Engagement on Major Water Resource Projects

Hydrologic / Hydraulic Modelling

Floodplain Management

Flood Frequency, Joint Probability Analysis, Risk Assessments and Monte Carlo Modelling

Computer Programming

Dam Operations

INDUSTRY TENURE

32 years

EDUCATION

Bachelor of Civil Engineering (Honours), University of NSW

Master of Engineering Science, University of NSW

Graduate Diploma in Management, Deakin University

PROFESSIONAL MEMBERSHIPS / PANELS

Engineers Australia, National Committee on Water Engineering, Past Chair

Member of the Australian Rainfall & Runoff Revision Steering Committee

Chair of the Australian Rainfall & Runoff Revision Technical Committee

Former Chair of Sydney Division Water Engineering Panel, Engineers Australia

QLD Ministerial Advisor, Council for Flood Mitigation Manuals

REGISTRATIONS

Registered Professional Engineer Queensland (RPEQ)

Institution of Engineers Australia, Chartered Professional Engineer (CPEng)

National Engineering Register (NER)

RELEVANT AWARDS

- Sir John Holland Civil Engineer of the Year, Engineers Australia 2017

PUBLICATIONS / PRESENTATIONS / PANELS / INQUIRIES / EXPERT WITNESS

- Co-Author – Floodplain Risk Management Guide Incorporating 2016 Australian Rainfall & Runoff in Studies for OEH - 2018
- Australian Rainfall and Runoff Workshop for Engineering Education Australia - 2018
- Editor – Australian Rainfall and Runoff: A Guide to Flood Estimation, Commonwealth of Australia, 2016
- Editor – Australian Rainfall and Runoff Project 15 -2D Modelling of Rural and Urban Floodplains, Engineers Australia 2011
- Contributor - Managing the Floodplain: Best Practice in Flood Risk Management in Australia 2013
- Author - Understanding Floods: Questions and Answers. Queensland Chief Scientist 2011
- Contributor – Australian Emergency Management Handbook Series – Technical Flood Risk Management Guideline: Assessing options and service levels for treating existing risk 2016
- Contributor – Australian Emergency Management Handbook Series – Technical Flood Risk Management Guideline: Flood information to support land-use planning 2016
- Contributor – Australian Emergency Management Handbook 7, Managing the floodplain: Best practice in flood risk management in Australia 2017
- Project Director – Document Techniques to define floodways for OEH
- Queensland Floods Commission of Inquiry 2011 – 2012. Hydrologist assisting the commission of inquiry
- Natural Disaster Insurance Review 2011. Advice on Flood Risk and Floodplain Management.
- Chair - Brisbane River Catchment Flood Study – Independent Panel of Experts – Hydraulics
- Chair - Brisbane River Catchment Flood Study – Independent Panel of Experts – Floodplain Management
- Member - Brisbane River Catchment Flood Study – Independent Panel of Experts – Hydrology
- Revised 2016 Design Rainfall Investigations into the need for and Derivation of Local Techniques
- Peer Review Parramatta River Flood Study for City of Parramatta - 2019
- Subject Matter Expert – Best Practice Strategic Planning for City of Gold Coast – 2019
- Project Director – Review of ARR Design Inputs for NSW – 2018