



Martin Giles

Panel Member

Martin is a Senior Principal with BMT and has 30 years of experience, specialising in hydraulic and environmental investigations. Martin has a First Class Honours degree in Engineering and a Masters of Engineering Studies degree from the University of Queensland.

Martin has completed numerous detailed hydraulic investigations ranging from constrained urban sites to creeks, rivers and floodplains, and has been responsible for the completion of multiple corridor and building designs which minimise flood impacts and provide an acceptable flood hazard. Martin also provides advice in relation to flood risk for a range of developments, with increasing focus on extreme events and climate change.

Martin is an acknowledged expert in Planning and Environment, Land, and Supreme Courts (QLD and NSW).

Martin was the RPEQ certifier for hydraulics for developments on highly constrained sites including the new runway completed as part of the Sunshine Coast Airport Expansion at Marcoola and the RNA exhibition site redevelopment at Bowen Hills.

Martin has been responsible for providing flooding and stormwater management advice and completing modelling in support of the Master Planning of new large-scale developments such as Hamilton Northshore (Brisbane) and Ripley Valley (Ipswich), providing guidance to multi-disciplinary teams.

Martin also provides expert advice to State Government authorities in relation to the approval of developments in its Priority Development Areas including Yarrabilba, Caloundra South, Greater Flagstone, Fitzgibbon and Oxley.

FIRM

BMT

SPECIALISATION

Hydraulics, hydrology and water resources

Flood risk management

Peer Review

Expert Advice/ Expert witness

Urban flood mitigation

Stormwater management and water quality

INDUSTRY TENURE

30 years

EDUCATION

Bachelor of Civil Engineering (1st Class Honours), University of Queensland

Master of Engineering Studies, University of Queensland

Australian Institute of Company Directors, Company Directors Course (2019)

PROFESSIONAL MEMBERSHIPS / PANELS

Institution of Engineers Australia, Member (MIEAust)

REGISTRATIONS

Registered Professional Engineer Queensland (RPEQ)

Member, Queensland Environmental Law Association

PUBLICATIONS / PRESENTATIONS / PANELS / INQUIRIES / EXPERT WITNESS

- Expert – Surface water (hydrology, hydraulics and water quality) expert for PFAS Class Action in the Federal Court of Australia. Engaged by the Commonwealth of Australia to consider the movement of PFAS in surface waters from Tindal Air Base in the Northern Territory (2019).
- Expert – Rodriguez & Sons v Queensland Bulk Water Supply Authority (Brisbane River Class Action) in the NSW Supreme Court. Engaged by Crown Law on behalf of the State to act as an expert with regard to hydrology (2016-2020).
- Expert – Gateway Motorway Upgrade. Appointed by Transurban to provide expert advice in relation to flood immunity of motorway upgrades (2016 - current).
- Expert – Surface water expert for mine insurer regarding flood claim by Ensham mine relating to levee overtopping (2012-2014).
- Expert – Engaged as an expert by the plaintiff in a Land Court matter against Queensland Rail relating to railway embankment failures in Lockyer Valley in the 2011 and 2013 floods (2014 – 2020).
- Expert – Seppanen v Minister for Economic Development Queensland in the Planning and Environment Court. Engaged by John Seppanen to consider flood impacts associated with large-scale industrial development (2015-2016).
- Expert – Appointed to panel providing expert witness services to Brisbane City Council in relation to Planning and Environment Court appeals. Involved in over 15 matters.
- Expert – Engaged as surface water expert for DES in action against Baal Gammon mine in the Planning and Environment Court for potential discharges and associated water quality impacts (2018-2019).
- Peer Review – Review for Council of all flood studies completed for Lockyer Valley Regional Council subsequent to 2011 flood (2015).
- Technical Advisor – Gateway Upgrade North, Appointed advisor to Queensland Motorways (2014-2015).
- Presenter – Australian Rainfall and Runoff Workshop, Sole presenter of One Day Workshops by Stormwater Queensland, Brisbane and Bundaberg (2017).
- Presenter – “Flood Studies, How survey data is actually used”, Queensland Surveying and Spatial Conference 2017.