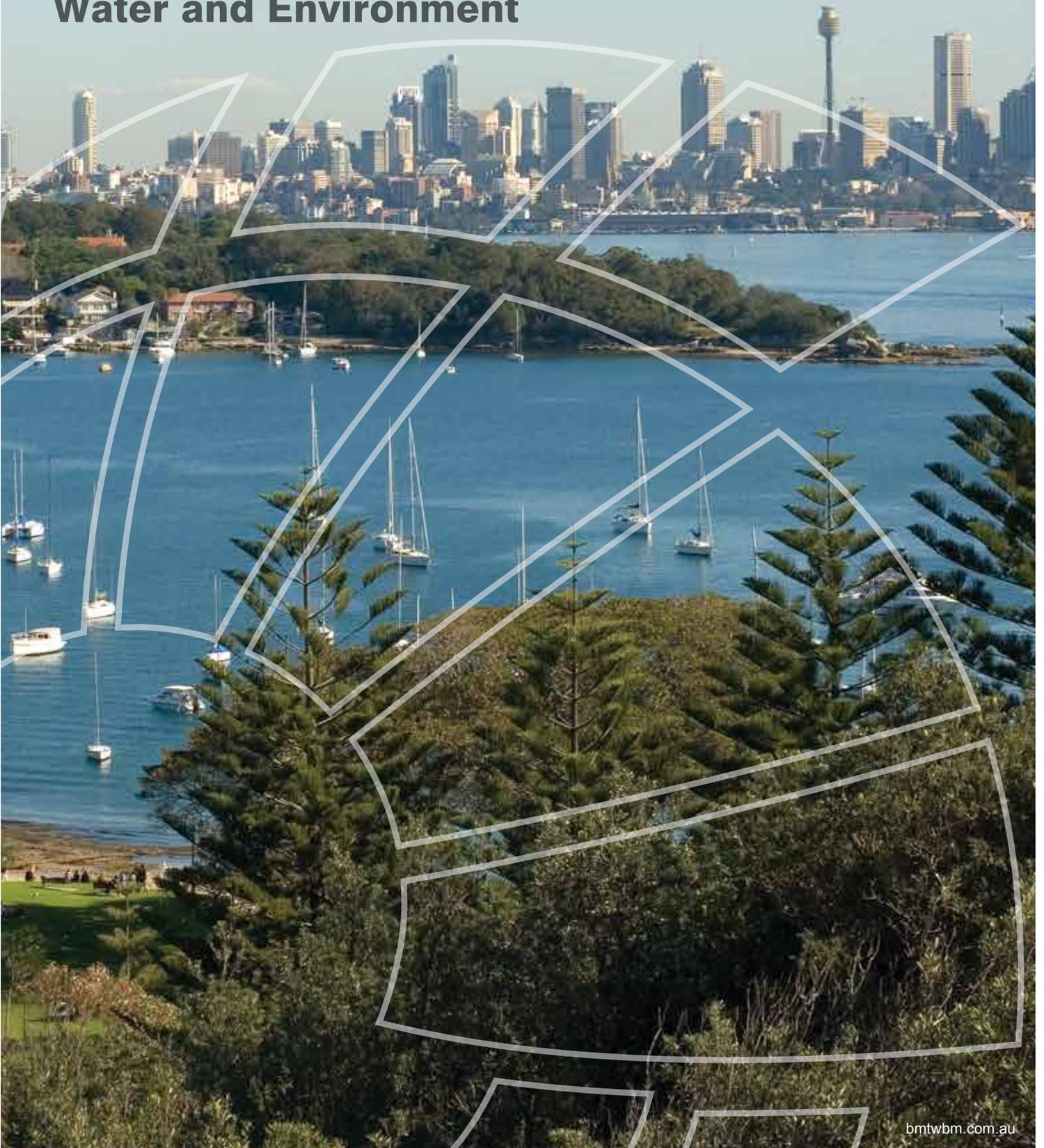




"Where will our knowledge take you?"

# Expert Legal Consulting

## Water and Environment



## The Company

BMT WBM Pty Ltd is a leading edge consultancy with more than 40 years national and international experience in the fields of water and environmental engineering, maritime structures and environmental science. We employ approximately 185 staff, consisting of highly qualified engineers, ecologists, scientists, field technicians and office personnel. Founded in Brisbane, Australia, BMT WBM has expanded to include offices across Australia, North America and the United Kingdom.

BMT WBM is part of the BMT Group of Companies. BMT was formed in 1985 and is the largest, independent maritime research and technology organisation in the world. BMT has over 30 offices in five continents and employs over 1200 staff. BMT provides services to industry, commerce, policy-makers, regulators and public sector operators in the fields of energy and environment, transport and defence on a global basis.

### Expert Services

BMT WBM offers a range of Expert Services to assist land and environment courts with assessments of development proposals for environmental impact. We also assist the courts in determining appropriate highest and best use of land in resumption compensation cases. In addition, we provide expert peer review and due diligence assessments for major projects on behalf of government and private sector clients.

Our current experts and their general capabilities are outlined on the opposite page. Profiles of our experts are presented on the following pages.



### Expert Capabilities

#### Flooding

Development impacts

Emergency response planning

Hydrology

#### Stormwater

Water re-use

Water sensitive urban design (WSUD)

Urban runoff and detention

Water quality

#### Coastal

Storm erosion

Storm-tide inundation

Climate change, sea level rise impacts

#### Environmental Policy & Planning

EPBC, incl. Ramsar wetlands

Fisheries and marine parks

Coastal protection

### The Experts

#### Darren Lyons

*Darren.Lyons@bmtwbm.com.au*

#### Neil Collins

*Neil.Collins@bmtwbm.com.au*

#### Dr Philip Haines

*Philip.Haines@bmtwbm.com.au*

#### Mark Wainwright

*Mark.Wainwright@bmtwbm.com.au*

#### Tony Weber

*Tony.Weber@bmtwbm.com.au*

#### Dr Philip Haines

*Philip.Haines@bmtwbm.com.au*

#### Greg Fisk

*Greg.Fisk@bmtwbm.com.au*

#### Luke Kidd

*Luke.Kidd@bmtwbm.com.au*

## Neil Collins

BE Eng, MEngSc, PIANC,  
NPER-3, RPEQ



Neil has over 33 years experience in engineering and is an acknowledged expert in flooding, stormwater and coastal processes. He has worked with the Planning and Environment Court Qld, Land Court Qld, Supreme Court Qld (damages actions), Land & Environment Court NSW, Commissions of Inquiry (various States) and has provided many expert peer reviews. Neil was heavily involved with the Queensland Floods Commission of Inquiry with reports for six local authorities for LGAQ and also provided expert advice for Ipswich City Council. Neil was also the independent hydraulic expert to the Queensland Government for the North Bank Project.

He has worked on major infrastructure projects as a Hydraulic Specialist including Sydney Third Runway, Sydney Harbour Tunnel, Gateway Bridge and Arterial and several coal ports in Queensland and in Indonesia, Power Stations in Queensland and Thailand, hydro-electric schemes in PNG and port dredging management at Cairns, Townsville, Weipa and Mackay.

### Expert Areas

- Flooding and floodplain management
- Emergency response planning stormwater management
- Hydrology

[Neil.Collins@bmtwbm.com.au](mailto:Neil.Collins@bmtwbm.com.au)



## Dr Philip Haines

BE (Hons), MEngSc, PhD, MIEAust,  
MEIANZ, CPEng RPEQ



Philip Haines is a director of BMT WBM and the General Manager of the Water and Environment Group. Philip has over 23 years experience in environmental engineering and is a recognised industry expert in coastal, estuarine, and floodplain management. This includes

all aspects of storm erosion, coastal recession and stormtide inundation, as well as climate change effects on coastal and floodplain processes.

Philip has experience in local government environmental planning and law, especially associated with the coastal zone. Philip has been involved in several Land and Environment court appeals in NSW regarding flooding, wetland inundation and coastal engineering.

### Expert Areas

- Coastal erosion and storm tide inundation
- Flooding and floodplain management
- Climate change impacts and adaptation planning

[Philip.Haines@bmtwbm.com.au](mailto:Philip.Haines@bmtwbm.com.au)



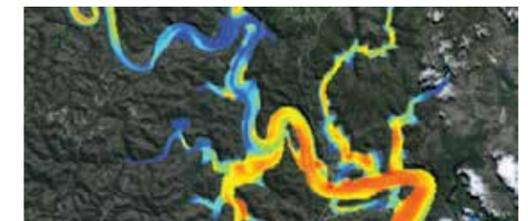
## Tony Weber

BAppSc/Chem,  
Visiting Fellow ANU, MSIA, MAWA



Tony is an Associate with over 24 years experience in the water industry. As the National Practice Leader for Water Quality, Tony manages the stormwater and water quality discipline across BMT WBM's Australian operations. Tony was also an Auditor for the National

Association of Testing Authorities for over 10 years, and provides expert advice, beta testing and peer review of catchment modelling activities across Australia, and overseas.



### Expert Areas

- Stormwater management and re-use
- Water sensitive urban design (WSUD) and integrated water management
- Catchment hydrology and pollutant export

[Tony.Weber@bmtwbm.com.au](mailto:Tony.Weber@bmtwbm.com.au)

## Darren Lyons

BEng Civil  
(1st Class Hons)



**D**arren has a specialised background in both the development and application of numerical models for hydraulic, water quality and sediment transport studies. With over 20 years' experience, he has a strong background in flood investigations and management and has

developed considerable expertise in numerical modelling.

Darren has had key involvement in a range of water resources projects including morphological studies on the Nile River, thermal pollution studies in the Middle East, and the design of flood defences in the Scottish Highlands.

Darren's broad experience in the water resources field has had at its core flood study applications, including major rural and urban catchment studies, design and assessment of flooding components for major transport infrastructure and flood impact assessment of urban developments.

### Expert Areas

- Hydrology and hydraulics
- Flood studies and floodplain risk management
- Hydraulic, WQ and sediment transport modelling

[Darren.Lyons@bmtwbm.com.au](mailto:Darren.Lyons@bmtwbm.com.au)

## Mark Wainwright

BEng, Civil (Hons)



**M**ark has over 19 years' experience in identifying water management solutions for urban development since the late 1990s. He has developed a particular interest in solutions that integrate the management of stormwater runoff, flooding, riparian areas, recycled water and potable water conservation.

Mark has assisted state and local government authorities with incorporating guidance on water sensitive development and integrated water cycle management into policies, development control plans and design guidelines. He has applied his experience to assist with the planning of water management strategies for a number of large urban release areas. Mark regularly provides peer review of development proposals on behalf of various local, state and federal government authorities and has provided expert assistance to the NSW Land and Environment Court.



### Expert Areas

- Catchment hydrology
- Stormwater runoff quality
- Water Sensitive Urban Design and Planning
- Integrated Urban Water Management
- Urban drainage and flooding

[Mark.Wainwright@bmtwbm.com.au](mailto:Mark.Wainwright@bmtwbm.com.au)

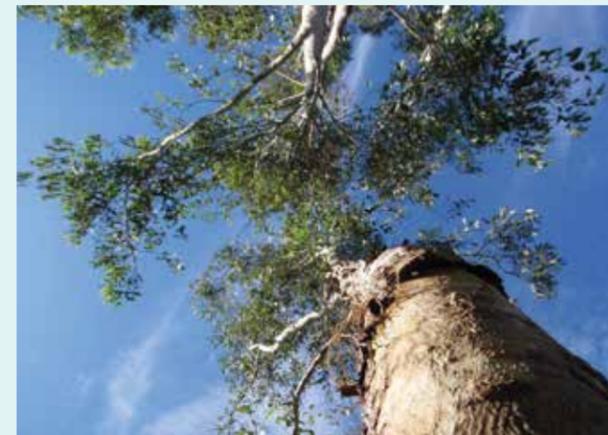
## Greg Fisk

BA M.Sci Affairs, M.S.Marine Policy, MEIANZ,  
Member Australian Coastal Society



**G**reg is an Associate at BMT WBM, Business Unit Manager of the Brisbane Office and National Practice Leader for Environment. He has over 17 years experience in preparing, assessing and managing multi-disciplinary environmental plans and impact assessment studies.

Greg has a thorough knowledge of environmental law, policy, planning and management throughout Australia. In particular, Greg has specialised expertise in wetland, coastal and marine legislation and planning, climate change, environmental impact assessment and environmental management related to transport and energy infrastructure.



### Expert Areas

- Coastal management, fisheries, wetlands, marine parks and related environmental legislation and policy instruments
- Coastal and marine development projects and assessment
- EPBC requirements and Ramsar Wetlands

[Greg.Fisk@bmtwbm.com.au](mailto:Greg.Fisk@bmtwbm.com.au)

## Luke Kidd

BEnvEng(Hons)  
MEnvSc



**L**uke has over 12 years' experience in catchment and receiving water modelling, urban stormwater and water quality monitoring, environmental impact assessments and development of various GIS based applications for engineering studies. He has

extensive technical expertise in hydrodynamic and water quality modelling of receiving water environments (including lakes, estuaries and coastal waters), Water Sensitive Urban Design (WSUD), and stormwater and water quality investigations.



### Expert Areas

- Hydrology and Hydraulics
- Spatial Analysis and Modelling
- Data Analysis and Scientific Programming
- Environmental Management and Impact Assessment
- Multidisciplinary Studies for Catchment and Receiving Environments

[Luke.Kidd@bmtwbm.com.au](mailto:Luke.Kidd@bmtwbm.com.au)

**BMT WBM has a proven record in addressing today's engineering and environmental issues.**

**We aim to continue to enhance our services, capabilities and areas of application to meet the community's future development and environmental protection needs.**



**1** Number of BMT WBM offices in region      ● BMT offices

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