



ENGINEERS AUSTRALIA

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# Urban Runoff and Impacts on Waterway Health and Hydrology – The Future for Greater Sydney

Hosted by Sydney Water Panel, SPLASH, IECA & WSRG

## Technical Presentations & Discussion

The growth predicted in Sydney is reaching unprecedented levels in areas where there has been limited to no development. The Greater Sydney Commission has indicated the need to rethink urban development and a wish to develop a parkland city in the South Creek catchment. The blue-green grid corridor means that as engineers, scientist and practioners we will need to consider the waterway and waterway health up front in any design.

Three presentors will focus on the impact of urban development on waterway health and hydrology and how we can improve, protect and maintain good waterway health with great amenity in urban areas that also provide habitat to iconic species and provide environmental value.

Please join us afterwards for 'After 5 Networking, Nibbles and Drinks' at the nearby Commercial Hotel to continue networking. For catering purposes please register your attendance separately for the After 5 networking event here.

### DATE & TIME

Date 23 February 2017

**Registration/Networking:** 1:30pm

**Formal start:** 2pm

### VENUE

Sydney Water  
1 Smith Street  
Parramatta NSW 2001

### CPD

Eligible for 2.0 CPD hours

### TICKETS

EA Members & Students \$0  
Splash Members \$0  
IECA members \$0  
Non-members \$30

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## Carl Tippler – CT Environmental



Carl is an ecologist with over 12 years' postgraduate experience working in both private and public sectors, including local and state government agencies. He has worked in various industries including development, mining, port authorities, drinking water catchments, quarrying and landfill. Carl has specialist skills in aquatic and riparian ecology which he has applied to a range of projects including advisory roles on urban waterway projects, strategic biodiversity planning, rezoning and development applications, flora and fauna surveys, aquatic and riparian ecosystem assessment, surface and ground water quality assessment and waterway restoration. In 2013, Carl commenced doctoral studies at Macquarie University with a focus on the ecology and management of urban waterways.

## Dan Owens – Soil Conservation Service



Dan Owens is a Senior Environmental Officer in the Soil Conservation Service (SCS), part of Local Land Services. He has worked with the SCS for 11 years, and has collaborated with a range of clients to assess, design and construct environmental earthworks projects. His role has him overseeing a suite of technical specialists and project managers that are responsible for the delivery of projects throughout Sydney. Dan's background is in hands-on conservation works, both design and construct projects. He is regularly out in the field assessing sites, and is required to work alongside a range of disciplines and stakeholders to design - and build - a sustainable outcome. His career progression from field officer to project manager has afforded him

a first-hand view of how site problems arise, how construction methods must be tailored to suit unique environments, and how various stakeholders can work together to achieve project goals.

## Michael Frankcombe – IECA



Michael Frankcombe is a Senior Compliance Officer with the Department of Planning and Environment. He has thirty years professional experience with expertise in erosion and sediment control, rehabilitation, natural channel design, revegetation and turbid water treatment.

Michael is a Certified Professional in Erosion and Sediment Control (CPESC No. 1351) and the current International CPESC Liaison to the Envirocert International Board of Directors and the Co-chair of the Envirocert CPESC Technical Committee. He is the past President of the International Erosion Control Association (Australasian

Chapter) and Technical Vice President of the International Erosion Control Association Region 2 board.

Michael will be sharing with us how urbanisation impacts the stability of creeks and rivers and offers some solutions on how to deal with these impacts.