

# PROGRAMME

WEDNESDAY 4 <sup>TH</sup> MAY 2011			
9.15am	<b>Welcome: Councillor Ann Hartley, North Shore Ward, Auckland Council</b> [Venue: New Zealand Room 1] <b>Conference Opening: Clive Rundle, President, Water New Zealand</b>		
9.30am	<b>Keynote Address: Tony Wong, Director &amp; Chief Executive, Centre for Water Sensitive Cities, Monash University, Melbourne</b> [Venue: New Zealand Room 1] Linking Urban Liveability to Stormwater Management – The Water Sensitive City		
10.15am	MORNING TEA [Venue: Exhibition Area]		
	<b>Catchment Management Planning</b> [Venue: Marlborough Room 2]	<b>Urban Stormwater Treatment</b> [Venue: Marlborough Room 1]	<b>River Management</b> [Venue: New Zealand Room 1]
10.45am	ICMPs in a Parallel Universe: The Development & Implementation of 10 Integrated Catchment Management Plans in Dunedin <b>Tracey Willmott</b>	Floating Vegetated Island Retrofit to Treat Stormwater Runoff <b>Karine Borne</b>	Collaborative Development of Lake Rotoiti Operational Strategy <b>Ken Tarboton</b>
11.15am	If It's Not Broken... <b>Keith Frenz</b>	Treatment of Contaminated Stormwater From Scrapyards <b>Rod Murray</b>	Environmental Assessment of Alternative Operations – Lake Rotoiti <b>Robbin Britton</b>
11.45am	Catchment Management Plans: A Comparison of Approaches in the UK and NZ <b>Jonathon Reed</b>	The Importance of Aquifer Data to Size and Locate Stormwater Infiltration Basins <b>Andrew Brough</b>	Flood Management Practice Based on Integrated Information Technology <b>Weijun Zhang</b>
12.15pm	LUNCH [Venue: Exhibition Area]		
1.15pm	<b>Keynote Address: Grant Ockleston, Stormwater Manager, Auckland Council</b> [Venue: New Zealand Room 1] The Perfect Storm – Auckland's Stormwater Amalgamation		
	<b>Stormwater Harvesting</b> [Venue: Marlborough Room 2]	<b>Stormwater Quality</b> [Venue: Marlborough Room 1]	<b>River Modelling</b> [Venue: New Zealand Room 1]
2.00pm	Stormwater Harvesting, an Innovative way of Meeting the Catchment Wide Needs of the Built and Social Environments <b>Bronwyn Rhynd</b>	Fate of Stormwater-Derived Metals in Tidal Creeks <b>Jennifer Gadd</b>	Overlaying and Linking Low Flow and Floodplain River Reaches for Rapid Assessment of Mitigation Measures <b>Bas Veendrick</b>
2.30pm	Waiheke Stormwater Reuse <b>Mike Hannah</b>	Realities of Stormwater Quality – Singapore vs Small Town Australia <b>Rob Dexter</b>	Clevedon Flood Hazard Mapping <b>Jon Rix</b>
3.00pm	AFTERNOON TEA [Venue: Exhibition Area]		
	<b>Asset Management</b> [Venue: Marlborough Room 2]	<b>Stormwater Monitoring</b> [Venue: Marlborough Room 1]	<b>River Management</b> [Venue: New Zealand Room 1]
3.30pm	Piloting a New Approach to Asset Management: The Stormwater Story <b>Carron Blom</b>	Measuring Success in Stormwater Management – A Structured Approach to Monitoring through Linking Issues and Objectives with Outcomes <b>Michael Krausse</b>	Edgecumbe – Rangitai Plains Flood Mitigation Project <b>Peter Askey</b>
4.00pm	Challenges and Opportunities in Integrating Stormwater Operations for the Auckland Region <b>Dukessa Blackburn-Huettner</b>	First Flush Analysis in the Auckland Region <b>Asaad Shamseldin</b>	A Community's Acceptance of Risk and Flood Management <b>Lois Plum</b>
4.30pm	Napier's Cross Country Drain – A Smart Stormwater Asset <b>Graham Levy</b>	Contaminant Load Model: A Glimpse of the New Version <b>Rajika Jayaratne</b>	Kaeo River Catchment Flood Risk Assessment and Option Analysis <b>Bruce Howse</b>
5.15pm	<b>Stormwater Special Interest Group Annual General Meeting</b> [Venue: Marlborough Room 2]		
6.00pm	<b>Welcome Social Hour – Sponsored by Stormwater360</b> [Venue: Exhibition Area]		

THURSDAY 5 <sup>TH</sup> MAY 2011			
9.00am	<b>Keynote Address: William (Bill) Hunt, Associate Professor and Leader of Engineering Group, North Carolina State University</b> [Venue: New Zealand Room 1] Applied Research, Informed Regulators, Better Decisions		
9.45am	MORNING TEA [Venue: Exhibition Area]		
10.15am	<b>Feature Session – the Queensland Floods</b> [Venue: New Zealand Room 1] Images and Aftermath of Queensland Floods – <b>Graeme Smart, Hydrodynamics Group Leader, NIWA</b> Lessons Learnt and Where to From Here – <b>Bill Syme, Flood Risk Management Consultant, Brisbane</b>		
	<b>Low Impact Design</b> [Venue: New Zealand Room 1]	<b>Stormwater Management</b> [Venue: Marlborough Room 2]	<b>Stormwater Modelling</b> [Venue: Marlborough Room 1]
11.00am	Low Impact Design: The Emerging Experience in Dunedin <b>Tom Osborn</b>	Stormwater Management Opportunities with Urban Redevelopment <b>Aidan Cooper</b>	Using a Dynamically coupled Model for Hazard Mapping and Option Assessment <b>Shaun Jones</b>
11.30am	Guidance Document 04 and the Five Essentials Required to Advance LID Implementation <b>Hayden Easton</b>	A Roadmap for Smart Outcomes in Stormwater Management <b>Grant Russell</b>	Discussion on 2D Overland Modelling Approaches <b>Nadia Nitsche</b>
12.00pm	Don't Let Perfection be the Enemy of Good <b>Jess Wallace</b>	Cost Benefit Analysis of Urban Flood Protection <b>Allan Leahy</b>	Mapping of Hydraulic Categories and Impact Assessments Using 2D/1D Models <b>Bill Syme</b>
12.30pm	LUNCH [Venue: Exhibition Area]		
1.30pm	<b>Site Visits</b>		<b>Modelling Forum</b> [Venue: Marlborough Room 1]
	<b>Site Visit 1</b> Lucas Creek Stream Restoration Long Bay Communities Development		2D or Not 2D: A Panel Discussion on Where and When 1D, 2D and 1D–2D Coupled Flood Analysis Should or Should Not be Used
	<b>Site Visit 2</b> Stonefields Mt Wellington Quarry Residential Development Stormwater treatment train process at CMA scrap metal shredding plant		
3.00pm	AFTERNOON TEA [Venue: Exhibition Area]		
3.30pm – 5.00pm	<b>Site Visit 3</b> Auckland Botanic Gardens LID Demonstration Power generation devices Green roofs, vegetated swales, filter strips, permeable paving		How Rainfall Becomes Runoff: A Panel Discussion on the Theoretical and Practical Aspects of Rainfall-Runoff Modelling, and on the Variety of Methods Commonly Used in NZ
7.00pm	<b>Conference Dinner</b> [Venue: New Zealand Room 1]		

FRIDAY 6 <sup>TH</sup> MAY 2011			
9.15am	<b>Keynote Address: Hon Dr Nick Smith, Minister for the Environment and Minister for Climate Change Issues</b> [Venue: New Zealand Room 1]		
10.00am	MORNING TEA [Venue: Exhibition Area]		
	<b>Stormwater Design</b> [Venue: New Zealand Room 1]	<b>Road Stormwater</b> [Venue: Marlborough Room 2]	<b>Stormwater Modelling</b> [Venue: Marlborough Room 1]
10.30am	The Challenges of Stormwater Management Design and Implementation for a Dynamic and Unique Project – Hampton Downs Motorsport Park <b>Sean Finnigan</b>	The Influence of Road Surface Characteristics on Runoff Quality <b>Jonathan Moores</b>	14 Catchments by One Engineer <b>Jorge Astudillo</b>
11.00am	A Review of Stormwater Pond Design within the Auckland Region <b>Stefan Whiting</b>	Erosion and Sediment Control Standard for State Highway Infrastructure <b>Craig Redmond</b>	Can You Believe that Model?! A Collaborative Approach to Interpreting Model Results <b>Helen Shaw</b>
11.30am	Tools for Assessing Climate Change Adaptation Options for Urban Drainage: Auckland Case Study <b>Annette Semadeni-Davies</b>	Generalising Manning's 'n' for High Performance Roadside Vegetated Swale Drains and Filter Strips <b>Peter McCarten</b>	Use of Areal Reduction Factor in Modelling and Its Implication <b>Habib Ahsan</b>
12.00pm	Soakage Guidelines Preparation – Easy or Not <b>Neill Raynor</b>	Innovations in Road Stormwater Treatment <b>John Tetteroo</b>	Modelling Aquifer Recharge with Stormwater in Urban Areas <b>Marija Tutulic</b>
12.30pm	LUNCH [Venue: Exhibition Area]		
	<b>Rainfall and Runoff</b> [Venue: New Zealand Room 1]	<b>Technology</b> [Venue: Marlborough Room 2]	<b>Stormwater Modelling</b> [Venue: Marlborough Room 1]
1.30pm	Comparison of Infiltration Basin Performance for Design and Historical Rainfall Events <b>Richard Brunton</b>	Development of an Engineered Biofiltration Media <b>Nick Vigor</b>	Long Bay Development – Benefits of Coupled Modelling <b>Brett Disley</b>
2.00pm	Hydrology – Proven Ways to Cheat <b>Bodo Hellberg</b>	Proprietary Device Evaluation Protocol – A Beginning <b>Judy-Ann Ansen</b>	Comparative Assessment of Gauged and Observed Calibration Data <b>Tristan Jamieson</b>
2.30pm	Presentation TBC	Ultrasonic Control of Algae in Stormwater Systems <b>Mark Lowe</b>	Defining the Flood Hazard in Takaka: A Town at Risk <b>Nick Simpson</b>
3.00pm	<b>Conference Closes</b> [Venue: New Zealand Room 1]		