

## Wednesday 12 May 2010

6.00pm Welcome Reception and Exhibition Opening - Lakeside Novotel Rotorua

## Thursday 13 May 2010

9.00am: Welcome: Rotorua Mayor - Kevin Winters

Opening: Water New Zealand Board Member

Keynote Address: Bill Bayfield - Chief Executive, Environment Bay Of Plenty

10.00am Morning Tea

**Stream 1 – Catchment Planning**      **Stream 2 – Stormwater Treatment**      **Stream 3 – Modelling**

10.30am	How Catchment Management can be Delivered for the One Auckland Watersheds to meet High Expectations <i>Damian Young</i>	Innovative Treatment Solutions for Challenging Sites <i>Mike Hannah</i>	Performance of Detention Devices Using a Continuous Simulation Model <i>Jahangir Islam</i>
---------	--	--	---

11.00am	The Importance of Maintaining a Holistic Approach in Stormwater Design <i>Scott Wilkinson</i>	Construction, Operation and Maintenance Guideline for Stormwater Treatment Devices <i>Judy-Ann Ansen</i>	Design Flood Levels by Continuous Hydrologic and Hydraulic Simulation Using Spatio-Temporal Stochastically Generated Rainfall Data <i>Colin Roberts</i>
---------	--	---	--

11.30am	Future-proofing Richmond's Stormwater Infrastructure <i>Denis O'Brien</i>	Effectiveness of Raingardens as Stormwater Treatment Devices in Auckland Region <i>Rajika Jayaratne</i>	Optimisation of Earthworks, Runoff Attenuation and Breakout Flood Conveyancing using Infoworks and MX Modelling <i>Angela Pratt</i>
---------	--	--	--

12.00pm	Overland Flow in the Urban Environment <i>John Tate</i>	Challenges of Stormwater Treatment for a High Risk Heavy Industry Site <i>Peter Carroll</i>	A Novel Approach to the Use of the ESRI ARC Hydro Tool Set for the Catchment and Stream Network Delineation <i>Steven Cornelius</i>
---------	--	--	--

12.30pm Lunch

**Stream 1 – Low Impact Design**      **Stream 2 – Stormwater Quality**      **Stream 3 – River Management**

1.30pm	Integration of Low Impact Design and Urban Design and Urban Form Principles <i>Hayden Easton</i>	Improving Water Urban Health <i>Jenny Bond</i>	Awanui River Catchment Flood Risk Assessment <i>Habib Ahsan</i>
--------	---	---	--

2.00pm	Integration of Urban Design and Landscape Architecture into a Low Impact Stormwater Design in Wanaka <i>Nicole Laurentein</i>	The Novel Use of Microbial Biofilms to Monitor the Efficacy of a Stormwater Treatment Train <i>Gillian Lewis</i>	Real Time Monitoring for Water Quality Effects Along Rivers and Across Reservoirs <i>Rob Dexter</i>
--------	--	---	--

2.30pm	Integrating Low Impact Design Innovation in a Streetscape Project - Albany Civic Crescent <i>Andy Irwin</i>	Urban Stormwater Quality - National Perspective on Contaminant Sources, Effects and Quality <i>Brett Stansfield</i>	Pragmatic Practice for River Management - The Tongariro and Tauranga-Taupo Rivers <i>Ghassan Basheer</i>
--------	--	--	---

3.00pm Afternoon tea

**Stream 1 – Stormwater Design**      **Stream 2 – Stormwater Quantity**      **Stream 3: Streams, Rivers and Lakes**

3.30pm	Adaption Strategies for Stormwater Management <i>Tony Miguel</i>	Extreme Rainfall Events - Too Small and Too Few <i>Nick Brown</i>	How Wide is the Stream? <i>Chris Stumbles</i>
--------	---	--	--

4.00pm	NZSS 4404 Revision - Implications for TA's <i>Brian Kouvelis</i>	Update of ARC TP108 Run-Off Calculation Guideline <i>Bodo Hellberg</i>	Review of the Benefits of the Okere Gates Control Structure - Lake Rotoiti <i>Robert Kelly</i>
--------	---	---	---

4.30pm	Low Impact Design on a Catchment Wide Basis - Is it Better than Site by Site? <i>Mohammed Hassan</i>	A Decade of Flood Inundation Assessment Under Climate Change in the Auckland Region <i>Terry van Kalken</i>	Fish Don't like to Jump or Crawl - an Update on Ensuring and Restoring Upstream Fish Passage <i>Marq Redeker</i>
--------	---	--	---

5.00pm Annual General Meeting

5.30pm Post AGM Social

7.30pm Conference Dinner

## Friday 14 May 2010

9.00am Keynote Address TBA

9.45am Morning Tea

**Stream 1 – Managing Road Run-Off**      **Stream 2 – Landscaping and Restoration**      **Stream 3 - Model Case Studies**

10.15am	The Challenges of Stormwater Management	Principles for Successfully Incorporating	Managing the Oakley Catchment Model Build and Other
---------	---	---	---

10.45am	Stormwater Management and the Auckland Motorways Alliance <i>Peter Mitchell</i>	A New Approach to Stream Restoration Tried in North Shore <i>Tom Mansell</i>	Dynamic Coupled Modelling of Oakley Catchment - Auckland <i>Nadia Nitsche</i>
---------	--	---	--

11.15am	Highway Constraints, Collaboration and Best Practice <i>Bruce Apperley</i>	Adjustable Weir Providing Flood Passage and Landscaping in New Plymouth CBD <i>Nicholas Keenan</i>	A Risk Based Approach to Water Management at Rotowaro Opencast Coal Mine <i>Tim Fisher</i>
---------	---	---	---

11.45am	Towards Reusing Road Sweepings and Stormwater Sediments - Reducing Heavy Metal Leaching <i>Craig Depraet</i>	ARC Guideline 01 - Landscape and Ecology Values for Stormwater <i>Mark Lewis</i>	Hydraulic and Hydrological Modelling for Complex Design in a Peat Area <i>William Li</i>
---------	---	---	---

12:15pm Lunch

**Stream 1 – Case Studies**      **Stream 2 – Landscaping and Restoration**      **Stream 3 - Modelling Approaches**

1:15pm	Brownfield Upgrades - Learning the Hard Way <i>Angus Emslie</i>	Urban Stream Restoration and Community Engagement - Examples from New Zealand <i>Jan Hejls</i>	The Application of Stormwater Modelling for Major Transportation Projects <i>Adrienne Khor</i>
--------	--	---	---

1.45pm	Protecting Eden Park from Flooding during Rugby World Cup 2011 <i>Abhishek Sharma</i>	Bicycles, Stormwater and Bioengineering - the Alexandra Stream Enhancement Project <i>Rowan Carter</i>	Representation of Soakage Flow within a 1D/2D Coupled Model <i>Cheilo Manalo</i>
--------	--	---	---

2.15pm	Flood Control Uncertainties including Climate Change - Some Marlborough River Case Studies <i>Brin Williman</i>	TP10 Wetland Review <i>Roger Seyb</i>	Flaggate Performance in Hydraulic Models <i>Mark Pennington</i>
--------	--	--	--

2.45pm	Remotely linked Monitoring Network to Track Contaminant Transportation in Stormwater <i>Aisling O'Sullivan</i>	TBC	Rapid Flood Hazard Assessment for the Auckland Central Business District <i>Shaun Jones</i>
--------	---	-----	--

3.15pm Conference Close