

PRELIMINARY PROGRAMME 13 APRIL

WEDNESDAY 23 MAY 2018				
9.00am	Welcome and Conference Opening Keynote Address: "Operations and Maintenance of Green and Gray Infrastructure" James Lenhart, PE, D.WRE, Contech Engineered Solutions, USA			
10:00am	Innovation Showcase			
10.30am	Morning Tea [Venue: Exhibition Area]			
	Wai Ora	Design Construction Performance	Future Ready	Governance & Planning
11.00am	Storymaps: Sharing Your Watershed Plans <i>Daniel Nutsford</i>	Evolving Water Quality Management In The Rotokauri Catchment, Hamilton <i>Caleb Clarke & Lance Haycock</i>	Integrated Catchment Management Planning for the Next Generation <i>Zeb Worth</i>	Affordability of Stormwater and Flood Risk Management Schemes for Local Government <i>Sarah Dudson</i>
11.30am	ROAD CROSSING			
11.40am	Tools For Water Quality Prediction And NPS-FM Implementation In Urban Settings <i>Dr Jenni Gadd</i>	Bioretention – Practical Lessons Learnt From Applications in Christchurch <i>Peter Christensen</i>	Christchurch Multi-Hazard Analysis Approach <i>Tom Parsons</i>	Walking the 'Road Map' of Global Stormwater Management for Urban Catchments <i>Grant Russell</i>
12:10am	ROAD CROSSING			
12.20pm	Flooded with Opportunities - Turning Flood Management Mitigation Schemes into Community Assets <i>Amber Murphy & Karissa Hyde</i>	Stormwater Management Devices for the Auckland Region – Success in Our Sites <i>Dr Gretel Silyn-Roberts & Branko Veljanovski</i>	The Realities of Adaptive Flood Risk Management <i>Dr David Cobby</i>	Infrastructure Renewal – Maximising Public Benefit Through Collaboration and Engagement <i>Jenny Vince & Caroline Crosby</i>
12.50pm	Lunch [Venue: Exhibition Area]			
	Catchment and Asset Management planning	Design Construction Performance	Stormwater Quality Management	Governance & Planning
1.50pm	Stormwater Management for Regeneration of the Three Kings Quarry <i>Roger Seyb</i>	Performance of New Stormwater System at Fonterra Tirau <i>Dr Malcolm Peacey</i>	Tauranga Comprehensive Stormwater Consent Monitoring - The First Five Years <i>Kieren Miller & Radleigh Cairns</i>	Stormwater Bylaw Implementation <i>Claire Cunningham</i>
2.20pm	ROAD CROSSING			
2.30pm	Takanini 1 – Planning to Reduce Flood Risk <i>Lisa Dowson</i>	RNZAF Base Auckland - A Strategic Approach to Stormwater Management <i>Rob Van der Munchoff & Julie Irvine</i>	OIEWG Petroleum Industry Guidelines - An Update <i>Martin Robertson</i>	Developing National Good Management Practices for Urban Stormwater <i>Sarah Boone & Jo Burton</i>

3.00pm Afternoon Tea [Venue: Exhibition Area]				
	Catchment and Asset Management planning	Design Construction Performance	Future Ready	Stormwater Quality Management
3.30pm ROAD CROSSING				
3.40pm	Setting Limits for E.Coli - the Urban Allocation <i>Michelle Sands</i>	Implementation of Auckland Unitary Plan SMAF Rules: A Stormwater Engineer's Experience <i>Hannah Law & Jonathan Chambers</i>	A Resilience-Based Method for Primary Stormwater Management Systems Under Water Sensitive Design for Flood Control <i>Nariman Valizeh</i>	Safeswim – A Sea Change in Assessing Beach Water Quality Risk <i>Dr Martin Neale</i>
4.10pm ROAD CROSSING				
4.20pm	Confronting the Residual Effects of Development on Stormwater <i>Andrea Phillips</i>	Bio-Filtration Raingarden, from Design to Built <i>Tony Wang</i>	Emergent Challenges Adapting Coastal Stormwater and Drainage Systems <i>Dr Rob Bell</i>	The Effectiveness of Interventions to Achieve Healthy Waters <i>Tom Porter</i>
4.50pm ROAD CROSSING				
5.00pm	Catchment Planning – What Level of Detail is Appropriate When Modelling Future Development Scenarios <i>Robert Kelly</i>	Using Biophilic Design To Enhance Stormwater Management <i>Brendan Oversby</i>	Climate Change and Impact on Stormwater Systems – Can We Change Our Future? <i>Liam Foster</i>	LDCP Framework for Setting Load Limits in Urban Catchments <i>Dr Kalyan Chakravarthy</i>
5.30pm Abergeldie Harker Welcome Function [Venue: Exhibition Area]				

THURSDAY 24 MAY 2018				
9.15am	Keynote Address: Andrew Curtis, Irrigation New Zealand			
10.00am Morning Tea [Venue: Exhibition Area]				
	Catchment and Asset Management planning	Design Construction Performance	Design construction performance	Wai Ora
10.30am	Acid Sulphate Soils: Identification and Management in NZ's Largest Airport <i>Hayden Easton</i>	Calibration of Runoff-Routing Models for the Port Hills Catchments <i>Mark Passier Sally Williams</i>	Unique Soakage Design for the Three Kings Quarry <i>Gerald Strayton</i>	Improving Bathing Water Quality: Auckland Case Studies <i>Tom Porter</i>
11.00am ROAD CROSSING				
11.05am	The Benefits of Continuous Simulation Stormwater Quality Modelling in Christchurch <i>Gareth Bailey</i>	Application of Artificial Intelligence (AI) Technique to Forecast Runoff from a Catchment <i>Dr Babar Mahood</i>	Soakage in Accordance With E1/VM1: That's Just a Start <i>Iain Smith & Sian France</i>	Safeswim, Wai Ora and the NPSFM <i>Andrew Schollum</i>
11.35am ROAD CROSSING				
11.40am	Avon River Modelling Bears Fruit <i>Tom Parsons & Tim Preston</i>	Continuous Simulation Modelling To Support Healthy Waterways <i>Dr Jahangir Islam & Josh Irvine</i>	Fish Passage Design for a Stormwater Facility to Achieve Ecological Connectivity and Stormwater Treatment Outcomes <i>Marcia Ho</i>	The New Zealand Fish Passage Guidelines 2018: Rising To The Challenge Of Reconnecting Our Waterways <i>Dr Eleanor Gee</i>

12.10pm Lunch [Venue: Exhibition Area]				
	Wai Ora	Future Ready	Governance & Planning	Future Ready
1.10pm	Culturally Enhanced Stormwater Management – Intergration With Te Ao Māori <i>Troy Brockbank</i>	Rising Expectations - Sea Level Rise Effects on the Stormwater System at Auckland International Airport <i>Edwin Nixon</i>	The Devil is in the Detail: is the Planning Process Enabling Stream Loss? <i>Josh Markham</i>	Pluvial Flood Risk at Auckland Coastal Settlements <i>Richard Smedley</i>
1.40pm	ROAD CROSSING			
1.45pm	Use of Watershed Plans to Support NPSFM Engagement <i>Claire Cunningham</i>	Improving Operational Use of Scanning Rain Radar Estimates with Vertically Pointing Radar <i>Ken Williams</i>	Collaborative Solutions to Urban Stormwater Management <i>Mark Newton</i>	Judgement and Decision Making Under Stress–Making the Right Choice <i>Britta Jensen & Josiah Simmonds</i>
2.15pm	ROAD CROSSING			
2.20pm	Development of a Freshwater Management Tool to Support Integrated Watershed Planning for Auckland Waterways <i>Caleb Clarke</i>	Lake Rotorua – Wai Ora Mo A Maatau Mokopuna <i>Keith Frenz & Andy Bruere</i>	An Applied Stormwater Education Programme <i>Mike Hannah</i>	You want WSUD With That? Identifying and breaking barriers to uptake <i>Jonathan Moores, Sue Ira, Dr Robyn Simcock & Dr Chris Batstone</i>
2.50pm Afternoon Tea [Venue: Exhibition Area]				
	Stormwater Quality Management	Design Construction Performance	Design Construction Performance	Training and Education Forum
3.20pm	Copper and Zinc Concentrations from an Artificial Turf Field <i>Ed Clayton</i>	Soft Solutions For Hard Engineering Problems <i>Linda Norman</i>	On-Site Water Management: A Case Study in Sustainable Urban Development <i>Dr Katherine Heays</i>	PANEL DISCUSSION Training and education required for emerging stormwater management in New Zealand
3.50pm	ROAD CROSSING			
3.55pm	Diesel Exhaust Fluid – Innovative Stormwater Treatment Trials <i>Dr John Cheah</i>	For Better Understanding Of The Intent of AS/NZS 3725:2007 – Case Study <i>Husham Issa Al-saleem & Dene Cook</i>	Rain Garden Maintenance Costs in an Industrial Development <i>Jeremy Rees</i>	
4.35pm	Stormwater Group Annual General Meeting			

CONFERENCE DINNER

6.00pm	Transport to Venue
7.00pm	CKL Pre-Dinner Drinks [Venue: The Winehouse]
8:00pm	Conference Dinner [Venue: The Winehouse]

FRIDAY 25 MAY 2018

9.30pm - 1.30pm	Site Visits		
	<table border="1"> <tr> <td>Site Visit 1 Jack's Point Site Visit</td> <td>Site Visit 2 Kirimoko Site Visit</td> </tr> </table>	Site Visit 1 Jack's Point Site Visit	Site Visit 2 Kirimoko Site Visit
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