

## Preliminary Programme

Monday 11 May 2026			
Preconference Workshops – MEETING ROOMS 503, 504 and 505			
10:30	12:00	<b>SHAPING STORMWATER SOLUTIONS: YOUR VIEW ON THE WATER SERVICE AUTHORITY'S STORMWATER OVERSITE ROLE</b>	Stephanie Dijkstra, Janelle Eagleton and Isobel Oldfield, Water Services Authority – Taumata Arowai
13:00	14:30	<b>STORMWATER NETWORK RISK MANAGEMENT PLANS: LEGISLATIVE REQUIREMENTS AND PRACTICAL METHODOLOGIES</b>	Andrew Chin, Craig McIlroy and Janet Kidd, Auckland Council
15:30	17:00	<b>LIVING WITH WATER: MANAGING BAKED-IN FLOOD RISK IN ESTABLISHED SETTLEMENTS</b>	Diane Sutherland

## Tuesday 12 May 2026

9:00		9:30		WELCOME AND CONFERENCE OPENING			
9:30		10:00		KEYNOTE SPEAKER <b>EDWARD ASHBY - TE KAWERAU IWI – THEATRE TWO</b>			
10:00		10:30		KEYNOTE SPEAKER <b>CRAIG MCILROY - AUCKLAND COUNCIL – THEATRE TWO</b> <b>STORMWATER REFORM – A ONCE IN A LIFE-TIME OPPORTUNITY – WHAT SHALL WE DO?</b>			
10:30		11:00		MORNING TEA – EXHIBITION			
AM STREAMS		IWI LEAD / PARTNERSHIP PROJECTS THEATRE TWO Chair: Sarah Nolan		CATCHMENT SCALE NATURE BASED MODELLING MEETING ROOM 517 Chair: Allan Leahy		WATER QUALITY SCIENCE AND EMERGING CONTAMINANTS MEETING ROOM 515 Chair: Linda Norman	
		MEASURING BENEFITS AND FUNDING MEETING ROOM 516 Chair: Roanna Purcaru		CLIMATE CHANGE IN STORMWATER DESIGN MEETING ROOMS 503, 504 & 505 Chair: Jacob Northage			
11:00		11:30		TE WHAKAORA O ŌKAHUMATAMOMOE Phil Wihongi and Jessica Hiscox, Ngāti Whātua Ōrākei / Whai Maia		A BILLION-CELL CONCEPT: HIGH-RESOLUTION SPATIAL ANALYSIS FOR THE TAUMĀRERE CATCHMENT Jonathan Cousins, Vision Consulting Engineers	
				DEVELOPMENT OF BIOCHAR-BASED GREENER FUNCTIONAL MATERIAL FOR REMEDIATION OF TIRE-WEAR CONTAMINANTS FROM STORMWATER Jayani Chathurika Ranasinghe Ranasinghe Arachchige, University of Auckland		IT PAYS TO B-WISE: MEASURING WHAT REALLY MATTERS IN URBAN STORMWATER DESIGN Sue Ira, Koru Environmental	
				DETENTION SENSITIVITY TO CLIMATE CHANGE Matthew Murdock, WSP New Zealand			

11:30	12:00	AWA FIRST, ALWAYS: TE AKA RAATAA Jennice Stringer and Cheilo Manalo, Auckland Council	BEYOND FLOOD PEAKS: EVALUATING NATURE BASED SOLUTIONS USING FLOOD MODELLING AND STAKEHOLDER VALUATION Mark Hooker, Tonkin + Taylor	PFAS CONTAMINATION SOLUTIONS: REVIEW OF TWO CASE STUDIES Serena Solanki, GRAF Australia	MAKING THE INVISIBLE, VISIBLE: THE REAL VALUE OF NATURE BASED SOLUTIONS Justine Bennett, Alexis Guidon and Catherine Drumheller, GHD	THE OPPORTUNITIES THAT GO BEYOND TRADITIONAL DESIGN FOR CONSTRUCTED WETLANDS Joe La Spina, WGA Engineers
12:00	12:30	TE WHAKAORA O TANGAROA - LETTING THE AWA SPEAK Emma Content, Beca, Geoff White, Manukorihi Hapū Charitable Trust and Stu Farrant, Morphum Environmental	LESSONS FROM NATURE-BASED SOLUTIONS FOR FLOOD MITIGATION FEASIBILITY STUDIES Annika Min and Isabelle Farley, WSP	ECOLOGICAL RISK OF CYCLONE SILTS IN AN INDUSTRIAL CATCHMENT Hannah Ludlow, Pattle Delamore Partners	FUNDING FLOOD REDUCTION USING THE INFRASTRUCTURE FUNDING AND FINANCING (IFF) ACT 2020 James Muir, Awa Environmental	STORMWATER DESIGN IN A NON-STATIONARY CLIMATE: CLIMATE SCENARIO SELECTION Fiona Macdonald, Auckland Council and Jane Hancock, Wellington Water
12:30	13:30	<b>LUNCH – EXHIBITION</b>				
1:00	13:30	<b>POSTER SESSIONS WITH Q&amp;A – EXHIBITION</b>				
		PROTECTING FLOW PATHS IN PERI URBAN GROWTH AREAS: LESSONS FROM DRURY Tamzin Aldrin - Pattle Delamore Partners	GET TO KNOW YOUR AWA – OAKLEY CREEK   TE AUAUNGA Charlotte Arcus - Tonkin + Taylor	ARE CATCHMENT-SCALE NATURE-BASED SOLUTIONS A MORE COST-EFFECTIVE ALTERNATIVE TO TRADITIONAL STORMWATER INFRASTRUCTURE UPGRADES? Damian Chong - Pattle Delamore Partners	TREEBATES – WORKING WITH NATURE AND COMMUNITIES FOR STORMWATER RESILIENCE Lucy Douglas - Pattle Delamore Partners	NATURE BASED SOLUTIONS FOR FLOOD ALLEVIATION - LARGE CATCHMENT SCREENING TOOL Isabelle Farley - WSP
13:30	14:30	<b>KEYNOTE SPEAKER</b>	<b>PANEL - FUTURE OF STORMWATER GOVERNANCE</b> <i>Jon Lamonte, Tiaki Wai / Waikato Waters, Jonathan Boston, Victoria University, Helen Mahoney, LGFA, Andrew Chin, Auckland Council and Kowhai Olsen, Te Ahiwaru Trust</i> Facilitator: Darren Tiddy THEATRE TWO			

PM STREAMS		<b>NATURE BASED SOLUTIONS AND WATER TREATMENT THEATRE TWO</b> Chair: Hannah Breeds	<b>OVERLAND FLOWPATHS MEETINGS ROOMS 503, 504 AND 505</b> Chair: Ajay Desai	<b>CLIMATE CHANGE AND RAINFALL MEETING ROOM 515</b> Chair: Lisa Dowson	<b>FLOOD RESILIENCE MEETING ROOM 516</b> Chair: Bruce Balaei	<b>WORKSHOP MEETING ROOM 517</b>
14:30	15:00	ENABLING NATURE BASED APPROACHES TO STORMWATER MANAGEMENT AND FISHPASSAGE Jason Smith and Theo Dombroski, Morphum Environmental	FROM PROACTIVE PRACTICE TO STATUTORY EXPECTATION: SCALING OVERLAND FLOW PATH SITE MANAGEMENT IN AUCKLAND Dean Yee, Auckland Council and Damian Young, Zealandia Consulting	REVISITING CLIMATOLOGICAL VARIABILITY AND LIMITATIONS OF FORECASTING EXTREME RAINFALL STATISTICS Nick Brown, Auckland Council	ADVANCING URBAN FLOOD RESILIENCE: A CASE STUDY OF FLOOD BARRIERS IN AOTEAROA'S URBAN SETTING Hillary Johnston, Tektus Consultants, Elliot Olsen and Julian Lough, Watersmart	WORKSHOP: DESIGNING WITH NATURE: REGENERATIVE AND MĀTAURANGA MĀORI PATHWAYS TO RESILIENT STORMWATER AND COMMUNITY WELLBEING. Sara Zwart, Auckland Council and Lucy Tukua, Mott Macdonald
15:00	15:30	AT'S HĪKINA TE WERO ENVIRONMENTAL ACTION PLAN: MANAGING OUR DISCHARGES IN A GROWING URBAN ENVIRONMENT Abby Sharma, Auckland Transport and Jason McGregor, Transvalue Consultants	OVERLAND FLOW PATHS DONE WELL: NEW LEGISLATIVE REQUIREMENTS AND PRACTICAL APPLICATIONS Anjana Krishnan, Metis Consultants	POSSIBLE MAXIMUM PRECIPITATION (PMP) FOR STORMWATER INFRASTRUCTURE Oscar Barrett-Garnier, Riley Consultants	IT'S A WETLAND, BUT IS IT A DAM? Angela Pratt, Jacobs New Zealand	
15:30	16:00	<b>AFTERNOON TEA - EXHIBITION</b>				
PM STREAMS		<b>FLOOD FORECASTING AND INSIGHTS THEATRE TWO</b> Chair: Thomas Nikkel	<b>WATER QUALITY IN OUR RECEIVING ENVIRONMENTS MEETINGS ROOMS 503, 504 AND 505</b> Chair: Darren Tiddy	<b>FLOOD RECOVERY PROJECTS AND PROGRAMMES MEETING ROOM 515</b> Chair: Michael Arthur	<b>GEOMORPHOLOGY MEETING ROOM 516</b> Chair: Bryn Quilter	<b>MATAURANGA MAORI AND CO-DESIGN WORKSHOP MEETING ROOM 517</b>
16:00	16:30	DEVELOPMENT AND IMPLEMENTATION OF AN INTEGRATED FLASH-FLOOD WARNING SYSTEM SERVICE Nicolae-Cristian Popescu, Transylvania University of Braşov	CREST: VISUALISING COMPLEX ESTUARINE HYDRODYNAMIC MODEL RESULTS Thanh Dang, Auckland Council	FROM EMERGENCY TO LEGACY: DELIVERING THE MĀNGERE HARANIA BLUE-GREEN NETWORK AT PACE Lisa Dowson, Tonkin + Taylor and Leighton Gillespie, Auckland Council	MANAGING STREAMS IN MOTION: INTEGRATING ENGINEERING WITH GEOMORPHOLOGY TO BETTER MANAGE URBAN STREAMS Shakti Singh, Independent	WORKSHOP: NATIONAL SOAKAGE DESIGN GUIDE DRAFT – OPEN FOR FEEDBACK Tim Strang, Wellington Water, Matt Packard, ENGEO, Mike Trigger, BCD Group and Bodo Hellberg, Tauranga City Council

16:30	17:00	HYBRID MACHINE LEARNING MODELLING FOR RAPID FLOOD SCENARIO ASSESSMENT Andrea Pozo Estivariz, Awa Environmental	TYRE WEAR POLLUTION IN NEW ZEALAND ESTUARIES Cathy Bebelman, Auckland Transport	A STRATEGIC APPROACH TO FLOOD RECOVERY & LONG TERM COMMUNITY RESILIENCE Darren de Klerk, Hastings District Council and Kyleah Hess, Beca	QUANTIFYING BANK EROSION THROUGHOUT THE AUCKLAND REGION Danny Klimetz, Auckland Council	
17:00	17:30	FROM PILOT TO PROJECT – VIRTUAL EYES, AI-ENABLED MONITORING FOR RESILIENT URBAN FLOOD MANAGEMENT Kaya van Deventer-Hollands, Auckland Council	WELLINGTON RECREATIONAL WATER QUALITY PROGRAMME: MODEL REVIEW Jane Alexander, Stantec	BLUE-GREEN PROJECT GENERATION PROGRAMME – FLOODED WITH PROJECT OPPORTUNITIES Rowan Carter, Auckland Council	CONSIDERATION OF GEOMORPHOLOGY AND “ROOM FOR THE RIVER” CONCEPTS IN ADAPTIVE URBAN STREAM MANAGEMENT Jack Clothier and Ben Pearson, Hydrobiology	
17:30	18:30	<b>WELCOME FUNCTION - EXHIBITION</b>				

### Wednesday 13 May 2026

9:00	9:30	<b>KEYNOTE SPEAKER</b>	<b>RICHARD HILLS - AUCKLAND COUNCILLOR, NORTH SHORE – THEATRE TWO</b>			
9:30	10:00	<b>KEYNOTE SPEAKER</b>	<b>LINDA CLARK – THEATRE TWO</b>			
10:00	10:30	<b>MORNING TEA - EXHIBITION</b>				
<b>AM STREAMS</b>		<b>PEOPLE AND FLOOD HAZARD THEATRE TWO</b> Chair: Bruce Balaei	<b>HYDROLOGY AND INFILTRATION MEETINGS ROOMS 503, 504 AND 505</b> Chair: Jacob Northage	<b>INTERNATIONAL LESSONS MEETING ROOM 515</b> Chair: Roanna Purcaru	<b>COMMUNITY AND WATER QUALITY MEETING ROOM 516</b> Chair: Hannah Ludlow	<b>MODELLING AND FLOODPLAINS MEETING ROOM 517</b> Chair: Ajay Desai
10:30	11:00	BEYOND THE FLOOD: WORKING THROUGH PROPERTY CATEGORISATION DISPUTES! LESSONS FROM AUCKLAND’S FLOOD RECOVERY Liam Foster, WSP New Zealand		GREENING THE FUTURE – INSIGHTS FROM THE WORLD GREEN INFRASTRUCTURE CONGRESS Hannah Breeds, Stantec	EDNABLING CATCHMENT CARE GROUPS Emma Willmore, Pattle Delamore Partners and Katie Owen, Auckland Council	FROM FLOOD HAZARD MAPPING TO RISK-BASED PLANNING: AUCKLAND’S MODELLING-LED APPROACH TO BUILDING RESILIENT COMMUNITIES Hansol Lee, Auckland Council

11:00	11:30	<p>REACTIVE TO PROACTIVE – LESSONS FROM THREE YEARS OF COMMUNITY FLOOD RESILIENCE</p> <p>Nancy Baines and Bianca Lilley, Auckland Council</p>	<p>A NATIONAL APPROACH TO RURAL FLOW ESTIMATION: REVISITING REGRESSION-BASED METHODS FOR NEW ZEALAND</p> <p>Mark Groves, WSP</p>	<p>WHAT CAN AOTEAROA LEARN FROM GREAT BRITAIN'S REVIEW OF THE WATER INDUSTRY?</p> <p>Pete Brooks, Aurecon</p>	<p>BUILDING BACK BETTER: COMBINING CAPACITY BUILDING WITH ENGINEERING TO IMPROVE URBAN WATERWAY RESILIENCE</p> <p>Riley De Jong, Bligh Tanner and Hannah Sherlock, Healthy Land and Water</p>	<p>EXPANDING THE SCOPE OF FLOOD RISK MANAGEMENT IN NEW ZEALAND</p> <p>Ben Fountain, Awa Environmental</p>	
11:30	12:00	<p>MORAL INJURY: PROFESSIONAL PAIN IN THE ENVIRONMENTAL SECTOR – ROOT CAUSES AND WHAT NOW?</p> <p>Clare Feeney, Seti.Earth</p>	<p>STORMWATER SOAKAGE TESTING AND DESIGN IN NEW ZEALAND: AN INCONSISTENT PRACTICE &amp; A PROPOSED IMPROVEMENT</p> <p>Morris Kleinjan and Chris Gilbert, Riley Consultants</p>	<p>PREPARING FOR A FUTURE WITH INTENSE RAINFALL EVENTS: TEN GLOBAL PRINCIPLES FOR MANAGING EXTREME EVENTS</p> <p>Josh Irvine, WSP New Zealand</p>	<p>AWHI AWA   EMBRACE A STREAM - RESTORING URBAN WATERWAYS FOR ENDANGERED SPECIES</p> <p>Natalie Jessup, Endangered Species Foundation</p>	<p>BUILDING COMMUNITY RESILIENCE THROUGH TRANSPARENT FLOOD MAPPING AND MODEL UPDATES: TAURANGA CITY'S ROLLING PROGRAMME</p> <p>Tracey Myers, Tauranga City Council</p>	
12:00	13:00	<b>LUNCH – EXHIBITION</b>					
		<b>POSTER SESSIONS WITH Q&amp;A – EXHIBITION</b>					
12:30	13:00	<p>SPONGE CITIES IN NEW ZEALAND – A SUSTAINABLE APPROACH TO URBAN STORMWATER MANAGEMENT</p> <p>Umar Farooq - Massey University</p>	<p>COMMUNITY EMPOWERMENT IN FLOOD MONITORING DATA SYSTEMS AND RISK COMMUNICATIONS</p> <p>Kaya van Deventer-Hollands - Auckland Council</p>	<p>3D FLOOD VISUALISATION FOR ENHANCED RISK COMMUNICATION: OAKLEY CREEK CASE STUDY</p> <p>Sheida Kaleshani - Massey University</p>	<p>A PRACTICAL PASSIVE SAMPLER FOR EARLY-EVENT URBAN STORMWATER MONITORING</p> <p>Luc Le Roux - Earth Measure</p>	<p>RAPIDLY INCREASING MAINTENANCE TO MAKE SPACE FOR WATER</p> <p>Eshani Mahawedage - Auckland Council</p>	
13:00	14:00	<b>INNOVATION SHOWCASE – THEATRE ONE</b>					
		<p>AI-DRIVEN STORMWATER PIPE CONDITION ASSESSMENT AT AUCKLAND COUNCIL</p> <p>Mark Lee, VAPAR</p>	<p>A BILLION-CELL CONCEPT: HIGH-RESOLUTION SPATIAL ANALYSIS FOR THE TAUMĀRERE CATCHMENT</p> <p>Jonathan Cousins, Vision Consulting Engineers</p>	<p>VIRTUAL STREAMWALKER WEB APP: A DIGITAL TWIN APPROACH TO STREAM ASSESSMENT</p> <p>Damian Young, Zealandia</p>			
		<p>STANDARDISING FIRST-FLUSH STORMWATER SAMPLING WITH PASSIVE, SCALABLE DEVICES</p> <p>Luc Le Roux, Earth Measure</p>	<p>AQUAFORT: THE FIRST 100% NZ MODULAR STORMWATER SYSTEM</p> <p>Jamieson Scarlett, Cirtex</p>	<p>STORMWATER360 CERTIFIED MAINTENANCE PROVIDER (SWCMP) PROGRAM</p> <p>Miles Henderson, Stormwater360</p>			

PM STREAMS		INDUSTRIAL RUNOFF THEATRE TWO Chair: Darren Tiddy	WATER QUALITY MODELLING MEETINGS ROOMS 503, 504 AND 505 Chair: Damian Young	WATER SENSITIVE DESIGN MEETING ROOM 515 Chair: Justine Bennett	INDIGENOUS PERSPECTIVES AND KAITIAKITANGA MEETING ROOM 516 Chair: Dean Yee	WORKSHOP MEETING ROOM 517
14:00	14:30	REIMAGINING STORMWATER DISCHARGE FROM AUCKLAND'S WASTE TRANSFER STATIONS Linda Norman and Rudy Nicolas, ACH Consulting	CONTINUOUS WATER QUALITY MONITORING AND ECOLOGICAL RISK SCORING FOR OVERFLOWS Ebrahim Hussain, Aquawatch Solutions	ALL DRESSED UP WITH NOWHERE TO FLOW: THE CURIOUS CASE OF FITZGIBBON'S ALTERNATIVE WATER SUPPLIES Sean Hinton, Bligh Tanner	INDIGENOUS PERSPECTIVES ON STORMWATER DISCHARGES Troy Brockbank, Beca	WORKSHOP: TOO MUCH WATER, TOO MUCH DATA: A PERSONAS-BASED LOOK AT FLOOD DATA USE Fiona Macdonald, Auckland Council
14:30	15:00	WHO'D BE AN ITA SPECIALIST? NAVIGATING A LACK OF DISCHARGE STANDARDS Martin Meyer and Leon Blackburn, Auckland Council	OPERATIONALISING COMPLEX STORMWATER QUALITY MODELS: FROM REGIONAL SIMULATION TO MANAGEMENT DECISION SUPPORT Alfred Theodore Kpodonu, Auckland Council	GREENING AUCKLAND'S FIFTH FAÇADE: LIVING ROOFS IN A GROWING CITY Zoe Avery, The Urbanist and Rachel Devine, Auckland Council Healthy Waters	MANA WHENUA PARTNERSHIP IN STORMWATER MANAGEMENT – CULTURAL APPROACH TO KAITIAKI WAI IN TAAMAKI MAKAURAU Khansa Maudila, Auckland Council and Kowhai Olsen, Te Ahiwaru Waiohua	
15:00	15:30	<b>Afternoon Tea – EXHIBITION</b>				
PM STREAMS		OPERATIONS AND MAINTENANCE THEATRE TWO	WATER SENSITIVE DESIGN MEETINGS ROOMS 503, 504 AND 505 Chair: Dean Yee	FLOOD HAZARD MEETING ROOM 515 Chair: Peter Christensen	STREAM REVITALISATION AND CULTURE-LED DESIGN MEETING ROOM 516 Chair: Danny Klimentz	
15:30	16:00	A DEVICE WELL MAINTAINED: TOP TIPS FOR DESIGNING INFRASTRUCTURE WITH OPERATIONS AND MAINTENANCE IN MIND Tony Cain - Auckland Council	TURNING COMPLIANCE INTO VALUE: A PRACTICAL GREEN STAR STORMWATER CASE STUDY Yohanus Bogale, Stormwater360	THE ORIGIN AND USE OF THE "100-YEAR FLOOD PROTECTION STANDARD" IN NEW ZEALAND Gavin Palmer, Corsair Consulting	REVITALISATION OF HAKANOA STREAM - FROM DERELICT TO DELIGHTFUL Anirudh Karunakaran, Babbage Consultants Limited	
16:00	16:30	IMPROVING RURAL DRAINAGE WITH AN OBJECTIVE, RISK BASED FRAMEWORK Dan Lewis and Angharad Lee, Waimakariri District Council	WORKING WITH NATURE THROUGH PERMEABLE KERB AND CHANNEL INFRASTRUCTURE Klaudia Matyjas, Watersmart	WE BUILD SYSTEMS OUT OF BOXES. RISK LIVES IN BETWEEN Alex Cartwright, Natural Hazards Commission Toka Tū Ake	AHURIRI REGIONAL PARK: CULTURE-LED, MĀTAURANGA-FED DESIGN - FROM LAMENT TO A PLACE OF VITALITY Gabriel Ross and William Hatton, Boffa Miskell	
16:30	17:00	<b>STORMWATER GROUP – WATER NEW ZEALAND: ANNUAL GENERAL MEETING - MEETING ROOM 516</b>				
19:00	23:00	<b>STANTEC CONFERENCE DINNER &amp; INDUSTRY AWARDS - THEATRE TWO</b>				

**Thursday 14 May 2026**

9:00	9:30	<b>KEYNOTE SPEAKER</b>	<b>LEWIS PUGH (<i>VIRTUAL</i>) – THEATRE TWO</b>
9:30	10:00	<b>KEYNOTE SPEAKER</b>	<b>JEFF WHITTY, NEW ZEALAND INFRASTRUCTURE COMMISSION - TE WAIHANGA – THEATRE TWO</b>
10:00	10:30	<b>KEYNOTE SPEAKER</b>	<b>VICKI WATSON, THE AOTEAROA CIRCLE – THEATRE TWO</b>
10:30		<b>CONFERENCE CLOSURE</b>	<b>THEATRE TWO</b>
10:30	11:15	<b>MORNING TEA – EXHIBITION</b>	
10:45	14:45	<b>SITE VISIT ONE</b>	<b>Puhinui Regeneration – A Blue-Green Corridor Site Visit</b>
10:45	14:45	<b>SITE VISIT TWO</b>	<b>Whau Catchment — Making Space for Water in a Constrained Urban Environment</b>
10:45	14:45	<b>SITE VISIT THREE</b>	<b>Māngere Blue Green Network projects — Making Space for Water in a Constrained Urban Environment</b>
10:45	14:45	<b>SITE VISIT FOUR</b>	<b>Nature-Based Solutions in Practice — Auckland Botanic Gardens Treatment Train Walk</b>