

	Monday 16 November 2026			
	Workshops + Special Interest Groups			
	Exhibitors Pack In			
	Tuesday 17 November 2026			
	OPENING CEREMONY			
8.15 - 9.00am	Mihi and Karakia Timatanga - Society Welcomes			
9.00 - 9.45am	Keynote speaker - James Renwick (Chair: Clare Wilkinson)			
9.45am - 10.15am	Morning Tea			
Location	Maitai 1	Riwaka	Wairau	Heaphy
Theme	Modelling in the Tasman Region for water management	Climate change projections and hydrological impacts	Fluvial measurement, morphology and corridor planning	Water, communities and mātauranga: people-centred approaches to catchment resilience
Chair	Roland Stenger	Jing Jang	Jon Bell	Bryn Quilter
10.20am-10.40am	Modelling in the Tasman Region : an overview Joseph Thomas	Probabilistic modelling of coastal lagoon hydrology under climate change and sea level rise Richard Measures	From Pixels to River Beds: Developing a Reliable Optical Bathymetry Workflow for New Zealand Rivers Matthew Gardner	Living with Water – Designing Blue-green Corridors for a Flood Resilient Future in Hull, UK. Carrie Hopkirk
10.40am-11.00am	Models to support key water management needs Andrew Fenemor	Updated estimates of surface water availability under AR6 climate change projections Christian Zammit	Give or Take: Surplus-conditional Gravel Allocation in Tairāwhiti and the Case for Nationally Coherent River Gravel Management Jon Tunnicliffe	More than Plants in the Ground: Creating Conditions for Communities to Thrive in Catchment Management Chris Burton
11.00am-11.20am	The Waimea Plains integrated surface water-groundwater model Julian Weir	Pumped Drainage Schemes to Manage Groundwater in a Climate Changed Future Eric van Nieuwkerk	Cross section changes during floods: Measurement systems, database of changes, and model development Hamish Biggs	Supporting water-sensitive urban planning in a changing climate: The SpongeCity Toolbox Hermann Klug
11.20am-11.40am	The deep Moutere Aquifer system Ross Hector	Characterizing changes in riverine flooding under AR6 climate change projections Christian Zammit	Wairau River Recharge Reach Proposed Minimum Bed Levels to Maintain Wairau Aquifer Recharge Peter Davidson	From recognition to relationship: Braiding mātauranga Māori and hydrological practice Daniel Collins
11.40am-12.00pm	Ecological flows setting Roger Young	Storm-flood Typology Linking Atmospheric Drivers, Moisture Transport and Hydrograph Response: Demonstration in Northland, New Zealand Shailesh Singh	How should we delineate river corridors to future-proof room for the river? Ian Fuller	Investigation of non-destructive methods for the remediation of rabbit damage in stopbanks Alistair Stevens
12.00pm-1.20pm	Early Career / Student Function and Lunch Break			

1.20pm - 2.20pm	Keynote Speaker: Simon Upton - Parliamentary Commissioner for the Environment (Chair: Joseph Thomas)			
Theme	Modelling in the Tasman Region for water management (continued)	Drinking water risk & capture zone protection (part 1)	Nature-based solutions, wetland and riparian restoration	Urban rivers and ecological engineering
Chair	Roland Stenger	Matt Dodson	Richard Measures	Graeme Smart
Location	Maitai 1	Riwaka	Wairau	Heaphy
2.20pm-2.40pm	Whole catchment approaches and incorporation of cultural health across Te Tau Ihu Neil Deans	Quantitative gis-based climate vulnerability assessment for drinking water sources Madeline Inglis	Stochastic Water Balance Approach to Modelling Wetland or Marshlands Jim Griffiths	Fish friendly rock walls; concept designs for interplanted rock walls Roland Eveleens
2.40pm-3.00pm	Session discussion Roland Stenger	Reporting Waikato Groundwater Source Quality under the Water Services Act Nicki Wilson	Strengthening the case for nature-based solutions by considering freshwater fish and fishery benefits Robin Holmes	Halswell River Weed Barrage – An implementation success story Shaun McCracken
3.00pm-3.20pm	Review of Tasman District Council hydrometric network Andrew Fenemor	Impact of Groundwater Fluoride Concentration on Dental Fluorosis in North Central Province of Sri Lanka Ashvin Wickramasooriya	Easton Loop Wetland: A Privately Led Coastal Wetland Restoration Project Craig Allen	Assessing Outburst Flood Risk from a Small Supraglacial Lake Using The Modelling Code r.avaflow Ngima Chhiri Sherpa*
3.20pm-3.40pm		New approach for SWRMA delineation with limited hydrogeological information Mike Taves	Undoing the Squeeze: Farmland to Riverbed Reclamation on an Aggrading Braided River Forrest Bilek	Design and Construction of Fish Screen Facilities in Complex Braided River Systems Paul Morgan
3.40pm - 4.00pm	Afternoon Tea			
Location	Maitai 1	Riwaka	Wairau	Heaphy
Theme	Groundwater isotope & chemical tracers	Drinking water risk & capture zone protection (part 2)	Braided river dynamics, channel change and corridor management	Water policy, governance and allocation
Chair	Uwe Morgentern	Amir Levy	Helen Reid	Nicki Wilson
4.00pm-4.20pm	Geochemical Approaches for Deriving Groundwater Residence Times as Simulation History Matching Targets in Mixed Aquifers Connor Newman	Water Source Protection Zones – a look into the French water law framework Samuel Kelsey	Defining morphodynamic corridors for river management: evidence from the Pohangina River Camlo Carter-Ritchie	Reflections on Participating in Resource Management Processes: Perspectives from Different Sides of the Table Matt Dodson
4.20pm-4.40pm	Noble Gas Applications to Hydrogeology in New Zealand: Excess Nitrogen Analysis and Beyond Matthijs Van Soest	Beyond the Volumetric Cap: Can Alternative Allocation Regimes Improve Water Security and Groundwater-Connected Systems? Tara Forstner	The role of low flows and event quiescence on narrowing planform morphology in gravel-bedded rivers Sophie Horton	Set a Limit, Watch the Ripples: What-ifs for the Ruataniwha Basin Ahmed Elwan
4.40pm-5.00pm	Season 2: Episode 1- Sulfur-35 Young Groundwater Dating Method Development and Progress Vanessa Trompetter	From Drilling Standard to Groundwater Protection Framework: The Revision of NZS 4411 Kate Bailue	Evolution of the Waimakariri River bed from 1856 and long-term groundwater recharge to Christchurch City Paul White	Flexibly Rigid: Implementing new science into legacy policy Sam Yeo
5.00pm-5.20pm	Multitracer CEC Pilot Study: Part One - Insights from Age and Chemical Tracers Matthijs Van Soest	Quantifying the Risk Post-harvest Landslides Pose to Auckland's Drinking Water Supply Alex Sims	Braidplain narrowing across Canterbury and drivers behind spatial and temporal variability in braidplain width Jo Hoyle	Adaptive Groundwater Management in Practice: Insights from New Zealand and Australian Case Studies Emma Rhodes
5.20pm - 5.40pm	Multitracer CEC Pilot Study: Part Two - Insights from Microbiological Tracers Karen Houghton	The Evolution of Auckland's Water Supply System and what it means for the future Sarah Dyer	Room-to-Move, or Nowhere to Go? Management Legacies and River Futures on the Rangitāiki Plains Jacqui McCord	Rivers Don't Pay Taxes: Global Funding Models and Lessons for New Zealand Jon Bell
5.45pm - 7.30pm	Welcome Function - The Vic			

	Wednesday 18 November 2026			
9.00 - 9.50am	Keynote Speaker: Brad Olsen (Chair: Peter Davidson)			
9.50am - 10.15am	Morning Tea			
Location	Maitai 1	Riwaka	Wairau	Heaphy
Theme	Irrigation - closing gap between allocation & use	Nitrate dynamics	Flood forecasting and statistics	Urban runoff & regional infrastructure
Chair	Andrew Dark	Paul Scholes	Matthew Gardner	Nicki Wood
10.20am-10.40am	Next generation irrigation demand management tools : overview John Bright	Understanding Denitrification Processes in the Complex Heretaunga Plains Aquifers using Water Age and Excess Nitrogen Uwe Morgenstern	Flood Forecasting for Recreational River Users Thomas Jamieson-lucy	Seven months to go: A PM account of delivering urban flood infrastructure under hard deadlines Raechel Frogner
10.40am-11.00am	How regional councils define reasonable irrigation water requirements - whats worked and what hasn't Peter Davdson	Reconstructing nitrate leaching history around Pukekohe to understand past changes and inform future policy Connor Cleary	When Are Marginal Recalibration and Dependence Modelling Needed for Multi-Reservoir Probabilistic Inflow Scenarios? Yalin Zhang	Creation of Fluvial Hazard Lines to Underpin Process-based Catchment Management Within the Auckland Region Helen Reid
11.00am - 11.20am	Introducing WRF data Mike Kittridge	Use of Hysteresis to Characterise the Key Drivers of NO3-N Migration in Groundwater Justin Legg	Deep Learning-Based Long-term forecasting of Dam Storage for Drought Outlook Hyeong Yoon So	Channel Process Zones: Defining Process Space for Natural Streams in Urbanising Catchments Danny Klimetz
11.20am-11.40am	Data generation Jan Diettrich	Linking land-surface pressures and groundwater vulnerability to assess nitrate impacts in Canterbury Mark Trewartha	Towards ensemble flood impact forecasting: a Westport case study Celine Cattoen	Stormwater Model Development for Rangitikei District using Coupled 1D/2D Modelling Birendra KC
11.40am-12.00pm	Farmer survey & meta/metered data input Jenna van Housen	Building a History of Groundwater Nitrate Impacts, Canterbury Central Plains Lee Burbery	Flash Flood Forecasting Method within the Delft-FEWS platform Mark De Weerd	Hidden Hazards: Understanding and Managing the Legacy of Rail Irons in Greater Wellington's Rivers. Amy Bridges
12.00pm-12.20pm	Irrigation demand model update John Bright	Nitrate management intervention efficacy and groundwater connectivity in the Hekeao/Hinds Plains Emily McClure	Rolling with Advantage: Do Decadal Climate Cycles Game Our Flood Statistics Ben Throssell	Taylors Stream Siphon: a case study on flooding and in-river infrastructure Helena Grilliot
12.20 - 1.40pm	Poster Session + Lunch			

Location	Maitai 1	Riwaka	Wairau	Heaphy
Theme	Aquifer characterisation & mapping (part 1)	Catchment contaminant processes & water quality	Flood flows & rainfall	Monitoring
Chair	Paul White	Paul Scholes	Damian Velluppillai	Magali Moreau
1.40pm-2.00pm	Hydrogeological Mapping in the Poverty Bay Flats Tusar Sahoo	Deep Learning and Earth Observation for Climate-Driven Spatiotemporal Forecasting of Freshwater Quality, Rotorua, New Zealand Daniel Tekā Berhe	Developing Actionable Water Predictions Across Large Geographical Domains Martyn Clark	Evaluating the Influence of Groundwater Sampling Method On Groundwater Quality Results Desmond McCloy
2.00pm-2.20pm	Deep-learning framework using geological facies and SkyTEM resistivity to characterize 3D hydrogeology, Ruamāhanga, New Zealand Daniel Tekā Berhe	Hydrological controls on contaminant attenuation in constructed wetlands across diverse pastoral catchments Brandon Goeller	One Storm to Rule Them All: When a single event changes our infrastructure design Michaela Managh	Hydrogeological Controls and Spatial Variability of Groundwater Quality in Sri Lanka's Coastal Aquifer Systems Ashvin Wickramasooriya (STUDENT)
2.20pm-2.40pm	Wildcatting Groundwater Within an Unexplored Aquifer in Paradise Jens Rekker	Using high-frequency data to disentangle the spatiotemporal variability in concentration-discharge relationships Roland Stenger	Large-sample emulation for hourly streamflow prediction in ungauged catchments across New Zealand Cyril Thébault	A Technician's Perspective of Hydrology. Dirk Van Walt
2.40pm-3.00pm	Analysis of the state of groundwater levels in Otago aquifers Amir Levy	Detectable but not imminent, improving but not delivering: nutrient trends in New Zealand rivers Reza Moghaddam	Using models to predict damage Mark Pennington	Challenges and pressures on our hydrometric network Suzanne Gabites
3.00pm-3.20pm	Aquifer Tests Big & Small – What Difference Does Test Pumping Rate Make on Results? Jens Rekker	Using Emerging Organic Contaminants to Trace Groundwater Contamination Sources in Private Drinking Water Supplies Laura Banasiak	Invalidating the PMP? Precipitation Records from Cyclone Gabrielle Oscar Barrett-garnier	Optimising Groundwater EDNA Monitoring: Comparing Sample Volumes and Temporal Dynamics in New Zealand Aquifers Judith Webber
3.20pm-3.50pm	Afternoon Tea			
Location	Maitai 1	Riwaka	Wairau	Heaphy
Theme	Aquifer characterisation & mapping (part 2)	Hybrid and data-driven modelling: from physics to machine learning	Flood flows & rainfall	Geomorphology
Chair	Carl Hanson	Andrew Fenemor	Tim Kerr	Ian Fuller
3.50pm-4.10pm	National 3D Facies Dataset for New Zealand Groundwater Assessments: Progress and Application Paul White	Hydrological modelling: Physically based, Machine learning, or Physics-Informed Machine Learning? Jing Yang	Te Waihora: A Scenario-Based Water Balance Approach to Forecasting Lucy Just	Sediment, Rivers, and Resilience: Lessons from the European Danube Basin Herman Klug
4.10pm-4.30pm	Regional stream-depletion mapping for Canterbury: transmissivity, uncertainty, and policy screening Patrick Durney	Stochastic Multi-variable Climate Realisation Generation for Predictive Groundwater Modelling: Application to an Irrigated River Basin Brioch Hemmings	The Curious Case of the Victoria Nile David Leong	When methods matter: The influence of analytical decisions on sediment load assessments at Lake Waikare Britt Albers
4.30pm-4.50pm	Hydrogeochemical Evolution and Multi-Tracer Assessment of Salinity Sources in the Tauranga Low-Temperature Geothermal System, NZ. Paul Scholes	Development of a Machine Learning-Based Soil Moisture Data Interpolation Model Taegyun Kim	Quantifying the range of extreme precipitation events to 2100 across Aotearoa. Palita Loyda	Applying the D-CASCADE sediment routing model to stage-dependent storage in diverse fluvial systems Justin Rogers
4.50pm-5.10pm	Beyond Baseflow - Understanding groundwater contributions to flow Scott Wilson	Spatial Assessment of Heatwave Risk using Integrated Climate and Socioeconomic Data: Implications for Water-sensitive Adaptation Boyoung Heo	Capturing Precipitation Efficiency: An Event-Scale Stable Isotope Study in New Zealand Anita Brennan*	
5.30pm-6.30pm	NZHS AGM Rivers Group AGM			
from 7.00pm	ENVCO Social Function venue TBC			

Thursday 19 November 2026				
9.00am-9.50pm	Keynote Speaker: Clare Feeney (Chair Damian Velluppillai)			
9.50am - 10.15am	Morning Tea			
Location	Maitai 1	Riwaka	Wairau	Heaphy
Theme	Coastal Aquifer response to sea level rise	Hydrogeology chemistry, contamination & stygofauna	Lessons & planning for changing climate	Climate processes, weather and precipitation
Chair	Scott Wilson	Lee Burbery	Danny Klimetz	Connie Tschitter
10.20am-10.40am	Delineating Freshwater-saltwater Interface Complexity in a Coastal Aquifer using Electrical Resistivity Tomography Paul Scholes	Microbial source tracking (MST) identifies different microbial health risks in freshwater contaminated from different sources Sarah Coxon	From Ripples to Resilience: Scheme Reviews in a Changing Climate Ramon Strong	Spatial Climate Analogues Graeme Smart
10.40am-11.00am	Salinity-driven changes in pathogen transport: Implications for groundwater quality and climate change adaption Laura Banasiak	Groundwater chemistry in deep wells west of Christchurch, New Zealand Carl Hanson	Lessons from Louisiana: Living with Water Amanda Anthony	The influence of climate modes on river flow extremes in Waikato Daniel Collins
11.00am - 11.20am	Managing Saline Intrusion: Integrating Microbial Functional Responses into Council Risk Frameworks Karen Houghton	Using Biological Indicators to Improve Assessment of Aquifer Condition: An Example from Otago Region Louise Weaver	From Site Assessments to Regional Learning: post-Cyclone Gabrielle geomorphology across rural Hawke's Bay Will Conley	Future Daily Weather for Water Resources Planning, Decision Support, and Risk Assessment Nick Martin
11.20am-11.40am	Saline intrusion risks to the Rarangi Shallow Aquifer Neil Thomas	Jollies Pass Road – Using Leapfrog to visualise temporal changes to contaminant plume behaviour Katy Grant	One programme, many changing rivers: Tairāwhiti's Flood Resilience Programme Mark Hooker	Rainfall Revisited: Lessons from a Kopanga Gauge Anomaly in the 2011 Hawke's Bay Easter Storms Cristian Fernando Hadad Westphal
11.40am-12.00pm	Shallow aquifers at the coast of Christchurch City; possible implications for groundwater system management Paul White	Groundwater quality monitoring optimisation's second case study: Manawatu-Whanganui Magali Moreau	Geospatial Insights for Future Resilience: Supporting Tasman's 2025 Rivers Flood Recovery Programme Istvan Hajdu	From Rainfall to Landslide: Developing a National Framework for Aotearoa New Zealand Rasool Porhemmat
12.00pm-12.20pm	Managing Saline Intrusion in the Havelock Community Water Supply, Marlborough Nic Love	Sampling the Deep Vadose Zone: Revisiting an Enduring Challenge Helen Rutter	Impact-based Flood Forecasting for Pacific Island Countries: A Regional Framework Channa Rajanayaka	A National Precipitation Isotope Database for New Zealand: From Community Observations to Hydrological Applications Bruce Dudley
12.20-1.20pm	Lunch			

Location	Maitai 1	Riwaka	Wairau	Heaphy
Theme	Global perspectives, extremes and the water–energy nexus	AI, machine learning and computational advances	Climate processes continued	Aquifer challenges
Chair	Peter Davidson	Julian Weir	Graeme Smart	Jens Rekker
1.20pm-1.40pm	New Zealand's groundwater level status and trends in a global context Magali Moreau	What We Choose to Ignore: Chasing Errors in Hydrological Modelling Thomas Wöhling	A high-resolution reconstruction of seasonal snow across Aotearoa 1990-2019 Jono Conway	Flooding from below: evidence for a groundwater contribution to surface flooding in Dunedin, October 2024 Simon Cox
1.40pm-2.00pm	Do Matched Joint Return Periods Imply Similar Compound Flood-risk Patterns? Xiao Chen	GPU acceleration: the final frontier for groundwater modelling? Introducing DarcyWarp Patrick Durney	Give Me Some Direction – Spatial Rainfall for Runoff Modelling Lennie Palmer	Beyond the Nitrate Emergency: Can Good Management Turn Things Around? Helen Rutter
2.00pm-2.20pm	A Hydrological Cycle: The Road to Nelson Pier - A Hydrological Tiki Tour from Christchurch. Lee Burbery	Practical AI Integration in Environmental Models: A Hawke's Bay Groundwater Model Example Pawel Rakowski	Snow Melt Flood Forecasting for Southland Tim Kerr	AI Optimisation of Groundwater Monitoring Networks: A targeted Proof of Concept for wider environmental surveillance Michael Hayford
2.20pm-2.40pm	The Bhote Koshi disaster of August 2026 in Nepal-China: an overview and perspective from a computer in New Zealand Simon Cox	Generalisable and Verifiable Neural Networks for Rapid Flood Assessment Patrick Durney	Review of Maximum Possible Precipitation: Waikato Hydro Scheme Oscar Barrett-garnier	Reading the Ripples - when climate averages fail water resource consenting Zeb Etheridge
2.40pm-3.00pm	Reconnecting Rivers Safely: Modelling Flood Impacts of Weir Removal and Fish Passage in New Zealand Christian Fernando Hadad Westphal		reproducibility of past patterns using Multi-indices HyeonCheol Yoon	Transient Groundwater Seepage Modelling for West Coast Stopbank Upgrades Cameron Jasper
3.00pm-3.30pm	Afternoon Tea			
Location	Maitai 1	Riwaka	Wairau	Heaphy
Theme	Water allocation & irrigation resilience	River - aquifer interaction	Remote sensing, mapping & national datasets	Geomorphic and ecological river restoration
Chair	Channa Rajanayaka	Peter Davidson	Christian Zammit	Helen Reid
3.30pm-3.50pm	Water management of aquifers and rivers after the RMA : behaviours and boundaries Paul White	Groundwater-surface water exchange processes in alluvial rivers Scott Wilson	Remote sensing for hydrology: Irrigation storage reservoirs, dynamic land cover, and flood inundation Hamish Biggs	Supporting resilience na te puna o-Pueto ki te awa o Waikato: A restoration case study Robin Gerding
3.50pm-4.10pm	Setting up a groundwater resilience modelling case-study in Central Canterbury. Andrew Dark	An Age-source-spatiotemporal Dynamics Framework for Holistic Assessment of Groundwater/surface-water Exchange Connor Newman	Mapping Irrigated Area in Canterbury: 1970-1999 Philippa Aitchison-Earl	Planting with purpose Selene Conn
4.10pm-4.30pm	How Reliable Is Your Water? Rethinking Allocation Limits under Climate Change Jan Diettrich	Using Nature-based Solutions to Reduce Flooding and Improve Groundwater Recharge: A Hawke's Bay Case Study Katie Coluccio	A national digital network containing rivers, lakes, canals, and surface pathways; generating, checking, and comparing Doug Booker	Stream Rehabilitation and Stream Daylighting in Auckland: Practical Lessons from Twenty-Five Years of Delivery Mark Lewis
4.30pm-4.50pm	Reading the Ripples - using groundwater levels to set and manage allocation limits Zeb Etheridge	Buying Time on the Tapuaeroa: An Adaptive Approach to Managing Infrastructure on a Dynamic Braided River Dave Adams	Flood-generating mechanisms across Australia: an event-based classification Xiang Ma	Geomorphic river restoration in Aotearoa-New Zealand: where are we now and where could we go? Clare Wilkinson
4.50pm-5.00pm	Conference Close			
6.30pm-11.30pm	Conference Dinner - Rutherford Hotel			
	Friday 20 November			
	Conference Field Trip			