



TUESDAY 19 NOV 2024				
7:30am	Registration Desk Open			
8:30am	Conference Opening Mihi Whakatu Society Welcome			
9:00 – 9:50am	Keynote Speaker 1 William Anuru			
9:50 – 10:15am	Morning Tea			
	Bay Trust Forum	One Foundation Room	Skellerup Room	WSP Room
THEME		Food Webs and Invertebrate Biodiversity	Climate responsiveness	Managing global impacts with local actions
Session Chair		Ian Duggan	Susan Clearwater	Brendan Hicks
10:15 – 10:30am		Keystone communities reorganise freshwater metacommunities after pesticide contamination <i>Tadeu Siqueira – University of Canterbury</i>	The resistance and resilience of lake communities to high-intensity storms under increasing anthropogenic pressures <i>Georgia Thomson-Laing - Cawthron Institute</i>	Protecting a rare fish and headwater streams during the life of a mine and creating a protected post mine headwater catchment <i>Richard Allibone - Water Ways Consulting Limited</i>
10:30 – 10:45am		Distribution patterns of Ephemeroptera, Plecoptera and Trichoptera in a lake outlet in Lunz (Lower Austria) <i>Martin Sarkezi - University of Waikato</i>	Target attribute states for fine sediment are anticipated to shift under climate change <i>Rachel Smith - NIWA</i>	Enhancing Holistic Freshwater Management Through Continuous Water Quality Monitoring: A Case Study from Whatipū <i>Eoin Conroy - AquaWatch Solutions</i>
10:45 – 11:00am		Understanding cross-boundary effects of biodiversity on ecosystem functioning <i>Frank Burdon - University Of Waikato</i>	Are human activities changing the energy (carbon) balance of braided rivers? Evidence from the Selwyn-Waikirikiri River <i>Naomi Wells - Lincoln University</i>	Mountains of challenges, springs of hope – tackling global freshwater biodiversity loss with local solutions in Nepal <i>Richard Storey - Wildland Consultants</i>

11:00 – 11:15am		Dual explanations for top-heavy food webs (or ‘Why are there so many mudfish in my pool?’) <i>Zoë Hamilton - University of Canterbury</i>	Anthropogenically stressed lakes show low resistance but high resilience to disturbance from an ex-tropical cyclone <i>Jamie Howarth - Te Herenga Waka - Victoria University of Wellington</i>	Long-term trends in the water quality of Lake Rotoroa in the Waikato <i>Brendan Hicks - Morphum Environmental Ltd</i>	
11:15 – 11:30am		Long-term changes in zooplankton community composition in North Island lakes: What are the drivers of change? <i>Ian Duggan - The University Of Waikato</i>	Building climate change resilience into freshwater restoration at a catchment-scale <i>Susan Clearwater - Te Papa Atawhai Department Of Conservation</i>	Emerging climatic pressures: Connecting CO2 and river ecosystems in a warming world <i>Adam Hartland - Lincoln Agritech Ltd</i>	
11:30 – 12:30pm	Lunch				
	Bay Trust Forum	One Foundation Room	Skellerup Room	WSP Room	
THEME	Special Session: Ngāti Rangiwewehi and development of the Taniwha Spring drinking water joint consent	Waterways resilience and restoration actions	Long-term and large-scale data sets	Special session: Freshwater fish in relation	
Session Chair	Te Rangikaheke Yvonne Moana	Dave West	Susie Wood	Joanne Clapcott & Aisling Rayne	
12:30 – 12:45pm	Te Rangikaheke Yvonne Moana	Nuances of stream daylighting when there are multiple drivers <i>Liza Kabrle - LEAD Alliance, Tonkin + Taylor</i>	Programme expansion for long-term lake water quality monitoring in Auckland <i>Jane Atoa - Auckland Council</i>	Investigating the Interactions Between Large Migratory Galaxiids and Brown Trout in New Zealand's Coastal Streams <i>Adam Frimel - University Of Otago</i>	
12:45 – 1:00pm	Louis Bidois	Improving water quality and indigenous biodiversity on a Waikato dairy farm: lessons learned from rewetting and reconnecting a restored riparian wetland <i>Rebecca Sylvia Eivers - Wai Kōkopu Consulting</i>	How can we measure lake restoration success? Insights from a rigorous evaluation of eutrophication mitigation in Lake Rotoiti <i>Deniz Özkundakci - University Of Waikato</i>	Life history traits and food web ecology of a native galaxiid differ in lakes with and without introduced fishes <i>Lauren Hitt - University Of Canterbury</i>	
1:00 – 1:15pm	Hon Christopher Finlayson	Resilient rivers require room? Potential ecological effects from	From North to South: How many lakes are there in	Tino rangatiratanga in highly modified systems: A	

		historic narrowing of New Zealand's braided rivers <i>Michelle Greenwood - NIWA</i>	Aotearoa New Zealand? <i>Susie Wood - Lincoln University</i>	comparative case study of Waituna and Waitarakao lagoons <i>Lucy Coulston - University Of Canterbury</i>	
1:15 – 1:30pm	Paul White	RotoTurf: a method to overcome barriers to restoring aquatic plants into degraded lakes <i>Ben Woodward - NIWA</i>	Relative importance of lake water quality drivers varies with time and depends on trophic state and mixing regime <i>Whitney Woelmer - University Of Waikato</i>	Valued introduced species and invasive natives: Negotiating species belonging in a changing world <i>Aisling Rayne - Cawthron Institute</i>	
1:30 – 1:45pm	Hon Steve Chadwick	Land-based monitoring assessing the effectiveness of fencing and planting rural waterways in the Mahurangi Catchment <i>Colleen Brent - Auckland Council</i>	Morphometric distribution of depth and basin shape in Aotearoa New Zealand lakes <i>Tadhg Moore - Limnotrack</i>	Environmental and body-size controls on interactions between native and introduced fish: can galaxiids coexist with introduced trout? <i>Naomi Heller - University of Canterbury</i>	
1:45 – 2:00pm	Rangimarie (Lee-Ann)	Aotearoa freshwater biodiversity monitoring: beautiful dream, basic or bespoke <i>Dave West - Department Of Conservation</i>	Insights into the natural and cultural history of raupō (typha orientalis) in aotearoa New Zealand <i>Marcus Vandergoes - Gns Science</i>	Trade-offs between isolation and invasion of native fish populations above in-stream barriers <i>Martha Jolly - University Of Canterbury</i>	
2:00 – 2:25pm	Afternoon Tea				
2:25 – 3.15pm	Keynote Speaker 2 Lan Pham				
	Bay Trust Forum	One Foundation Room	Skellerup Room	WSP Room	
THEME		Special session: Should we bring back Upokororo, and if so, how, where and why?	Molecular tools for ecology	Policy and practice	
Session Chair		Simon Stewart	Alastair Suren	Marc Schallenberg	
3:20 – 3:35pm		Panel discussion with Prof. Gerry Closs, Dr Finnbar Lee, Dr Michele Melchior, Dr Aisling Rayne, Dr Georgia Thomson-Laing, and Dr Joanne Clapcott	'Conventional' vs eDNA Sampling of Aquatic Macroinvertebrates – a Comparison from 19 Horowhenua Waterways <i>Alex James - EOS Ecology</i>	Using spot measurements for oxygen and temperature attributes <i>Thomas Wilding - Waikato Regional Council</i>	

3:35 - 3:50pm			eDNA is a useful environmental monitoring tool for assessing stream ecological health <i>Alastair Suren - Bay Of Plenty Regional Council</i>	Strategies for working at the science-policy interface <i>Jennifer Price - Cobble Consulting</i>	
3:50 – 4:05pm			Working towards using eDNA for holistic lake biodiversity assessments <i>Lena Schallenberg - Cawthron Institute</i>	Quantifying regulatory limits for multiple stressors in an open and transparent way <i>Rick Stoffels - NIWA</i>	
4:05 – 4:20pm			Environmental DNA sampling: sampling effort, contamination pitfalls, the influence of life history phases and interpretation of results <i>Richard Allibone - Water Ways Consulting Limited</i>	Very shallow lakes: A case for managing them for wildlife values as opposed to water quality and recreation <i>Marc Schallenberg - University Of Otago</i>	
5:00 – 7:00pm	Welcome Function & Poster Session – Energy Events Centre				

WEDNESDAY 20 NOV 2024

8:00am	Registration Desk Open				
9:00 – 9:50am	Keynote Speaker 3 Marnie Prickett				
9:50 – 10:15am	Morning Tea				
	Bay Trust Forum	One Foundation Room	Skellerup Room	WSP Room	
THEME	Ka mua, ka muri – Indigenous perspectives and knowledge I	Fishes and Fisheries I	Aquatic indicators and contaminants I	Special Session: Freshwater modelling horizons: emerging trends and directions I	
Session Chair	Richard Storey	Gerry Closs	Christoph Matthaei	Deniz Özkundakci	
10:15 – 10:30am	Traditional knowledge leads to innovation in conservation, using whakaweku to translocate toitoi <i>Kari Beaven - Zealandia Te Mara a Tane</i>	Disentangling the impacts of habitat degradation and introduced fishes on a highly-valued amphidromous fish <i>Chris Meijer - Environment Canterbury</i>	Effects of ibuprofen and imidacloprid on stream invertebrate communities: an outdoor multiple-stressor mesocosm experiment <i>Nina Sarah Batucan - University Of Otago</i>	Slipping underwater: A review of freshwater modelling in New Zealand <i>Anna Hooper - Parliamentary Commissioner For The Environment</i>	
10:30 – 10:45am	Adaption of a traditional Māori fishing method for biomonitoring: using	Local variation in the timing of reproduction and recruitment in a	Generic metrics of lake trophic condition conceal important ecological change		

	whakaweku for sampling stream macroinvertebrates <i>Richard Storey - Wildland Consultants</i>	widely distributed diadromous fish, Galaxias maculatus <i>Gerry Closs - University Of Otago</i>	<i>Rose Gregersen - University of Waikato</i>		
10:45 – 11:00am	‘Out of sync’ – rethinking freshwater monitoring with Māori perspectives of time <i>Joanne Clapcott - Cawthron Institute</i>	Bigger on their own: size structure of Chatham Island mudfish opulations with tuna (<i>Anguilla</i> spp.) <i>Grace Fortune-Kelly - University of Otago</i>	Microplastics and riverine macroinvertebrate communities in a multiple-stressor context: a mesocosm approach <i>Christoph Matthaei - University of Otago</i>	Challenges with modelling <i>E. coli</i> at the catchment scale <i>Richard Muirhead - Agresearch</i>	
11:00 – 11:15am	Monitoring of kōura (freshwater crayfish) populations in Lake Rotorua <i>Ian Kusabs - Kusabs and Associates</i>	Pathways to the Sea – Aotearoa’s first modified MacEwans pump - Is it fish friendly? <i>Brenda Bartels - 2 Awa Ecology</i>	Taonga and Toxo: Kākahi as the missing link in understanding land-to-sea transmission of <i>Toxoplasma gondii</i> in Aotearoa New Zealand <i>Abigail Schoup - Massey University</i>	Using multiple lines of evidence to understand complex systems for management: Lake Ōkātina food-web dynamics <i>Finnbar Lee - Cawthron Institute</i>	
11:15 – 11:30am	Tuku Iho Kōrero: Ki Uta Ki Tai - Interweaving Mātauranga Māori and Kaitiakitanga for Freshwater Stewardship, ArcGIS Storymaps <i>Chantez Connor-Kingi - Ngā Kaitiaki O Ngā Wai Māori</i>	Spatial scale insights for freshwater fish in wadeable streams using environmental DNA (eDNA) metabarcoding <i>Josh Smith - Waikato Regional Council</i>	Macroinvertebrate indices are insensitive to nutrient and sediment impacts on river ecosystems <i>Richard White - NIWA</i>	A software platform to provide a scalable solution to NZ’s lake model deficit <i>Deniz Özkundakci - University Of Waikato</i>	
11:30 – 12:30pm	Lunch				
	Bay Trust Forum	One Foundation Room	Skellerup Room	WSP Room	
THEME	Ka mua, ka muri – Indigenous perspectives and knowledge II	Special Session: Catchments and communities I	Aquatic indicators and contaminants II	Special Session: Freshwater modelling horizons: emerging trends and directions II	
Session Chair	Frank Burdon	Juliet Milne	Paul Scholes	Rick Stoffels	
12:30 – 12:45pm	Learnings from implementing a cultural monitoring programme <i>Channell Thoms - Environment Canterbury</i>	Who is doing what? Quantifying catchment community-based freshwater monitoring in Aotearoa New Zealand and prospects for data use in modelling applications	Wetland assessments: learnings and experiences moving from South Africa to New Zealand <i>Andrew Briggs - SLR Consulting</i>	What types of model area available to link land use to lotic ecology, and how do they fit together? <i>Sandy Elliott - NIWA</i>	

		<i>Juliet Milne - Traverse Environmental</i>			
12:45 – 1:00pm	Monitoring Te Mana o Te Wai: Assessing structural, functional, and cultural ecosystem health in streams <i>Frank Burdon - University Of Waikato</i>	“I share mine, if you share yours” – The importance of peer-to-peer knowledge exchange between rural communities for inter-generational freshwater restoration <i>Katharina Doehring - Cawthron Institute</i>	Does timing matter? Flow representation in river state of environment water quality datasets <i>Laura Keenan - Traverse Environmental</i>	Complex, deterministic models of the natural world: tools, toys, or tomfoolery? <i>Marc Schallenberg - University Of Otago</i>	
1:00 – 1:15pm	Whakapapa as a Guide to Wairarapa Moana’s Freshwater Ecosystems <i>Rawiri Smith -</i>	On-the-ground support to build capability and capacity in freshwater management at catchment community scale: The Wai Connection Project <i>Kim Jones - Mountains to Sea Conservation Trust</i>	Heavy metal content of Kākahi from shallow wadeable depths at five locations in Lake Tarawera <i>Nico Donovan-Pereira - University Of Waikato</i>	A river ecosystem model of intermediate complexity for assessing impacts of low flows on fish <i>Rick Stoffels - NIWA</i>	
1:15 – 1:30pm	Where Mātauranga Māori and Western-science Meet <i>Sam Ludden - Kahungunu Wairarapa</i>	Use of catchment community-based monitoring data to inform freshwater management and decision-making: a modelling case study <i>Mark Heath - Traverse Environmental</i>	Wrangling the National Policy Statement for Freshwater Management <i>Paul Scholes - Bay Of Plenty Regional Council</i>	Five years of SWAT-based dynamic catchment modelling in New Zealand: Model evaluation and lessons learned <i>Linh Hoang - NIWA</i>	
1:30 – 1:45pm	Ngā Manawa – Te Mana o Te Wai: Building kaiaki capability and capacity in taonga species restoration and freshwater monitoring <i>Erena Nuku - Te Rūnanga o Ngāti Manawa</i>	How regional councils can implement the national community-based monitoring (CBM) framework and make the most of catchment initiatives to improve freshwater health <i>Amanda Valois - Greater</i>	Use of high-resolution spatial dataset to the benefit of regional water quality outcomes in Northland <i>Manas Chakraborty - Northland Regional Council</i>	An ensemble model approach to Lake Ōkaro water quality management <i>Maggie Armstrong - University Of Waikato</i>	

		Wellington Regional Council			
1:45 – 2:10pm	Afternoon Tea				
2:10 – 3:00pm	Keynote Speaker 4 Angus McIntosh				
	Bay Trust Forum	One Foundation Room	Skellerup Room	WSP Room	
THEME		Special Session: Catchments and communities II	Fishes and Fisheries II	Lake ecosystems	
Session Chair		Juliet Milne	Duncan Gray	Tina Bayer	
3:05 – 3:20pm		Prospects for a Community-based Freshwater Monitoring (CBFM) Website <i>Shelley McMurtrie - EOS Ecology</i>	Long term, large scale remediation of a chemical barrier to fish migration <i>Duncan Gray - Pdp</i>	Evaluation of thermal dynamics and transport mechanisms in Lake Wānaka <i>Aidin Jabbari - NIWA</i>	
3:20 - 3:35pm		The 'Wai Connection – Tatai Ki Te Wai' Focus Catchment Map Series – Supporting Catchment Groups across Aotearoa <i>Shelley McMurtrie - EOS Ecology</i>	Long term, large scale remediation of a chemical barrier to fish migration <i>Andrew Watson - NIWA</i>	Optimising hydrodynamic regimes to improve water quality in the shallow hypereutrophic Lake Waikare: Insights from a modelling study <i>Matthew Prentice - University Of Waikato</i>	
3:35 – 3:50pm		Discussion: future prospects	Teaching fish new tricks: Repeated exposure to a velocity barrier improves passage performance <i>Rachel Crawford - University Of Waikato</i>	Benthic primary production in the nearshore littoral zone of Lake Tarawera <i>Sarah Tetzlaff - University Of Waikato</i>	
3:50 – 4:05pm			Too big! An approach for assessing atutahi (īnanga) spawning habitat in massive rivers <i>Hannah Rainforth - Kāhu Environmental Ltd</i>	The proposed in-lake nutrient load modelling at Lake Ngatu in Northland <i>Suha Sanwar - Northland Regional Council</i>	
4:05 – 4:20pm				Low dissolved oxygen events in lakes are more common than we think <i>Tina Bayer - Environment Canterbury</i>	
4:30 – 6:00pm	NZFSS AGM				
6:00 – 9:00pm	Early Career Function –Fainting Goat, Rotorua				

THURSDAY 21 NOV 2024					
8:00am	Registration Desk Open				
9:00 – 9:50am	Keynote Speaker 5 Simon Stewart				
9:50 – 10:15am	Morning Tea				
	Bay Trust Forum	One Foundation Room	Skellerup Room	WSP Room	
THEME	Te mana o te wai – balancing water, environment and people I	Algae and harmful blooms I	Catchment management and water quality I	Invasive species – detection, surveillance and management	
Session Chair	Jenny Webster-Brown	Stephanie Koviessen	Chris Tanner	Nicholas Ling	
10:15 – 10:30am	Why conserve rivers? Intrinsic value vs ecosystem services <i>Philip Boon - Freshwater Biological Association</i>	Phytoplankton community structure in deep chlorophyll maxima of Lake Ōkaro <i>Iola Rosa - University Of Waikato</i>	Hydro-climatic drivers dominate the water quality in the catchments of Southern Murray-Darling Basin, Australia <i>Dilanka Athukoralalage - University Of Adelaide</i>	Baseline survey of invasive gold clam (<i>Corbicula fluminea</i>) populations in two Waikato hydro lakes <i>Michele Melchior - National Institute Of Water And Atmospheric Research</i>	
10:30 – 10:45am	How has the mission-led research of a National Science Challenge benefited freshwater management in Aotearoa? <i>Jenny Webster-Brown -</i>	Cyanobacteria in cold waters: a study of nearshore cyanobacteria assemblages in Lake Superior <i>Kirill Shchapov - Cawthron Institute</i>	Freshwater Improvement Scenario Builder Web App <i>Michael Kittridge - Headwaters Hydrology</i>	Environmental DNA as a detection and quantitative tool for brown bullhead catfish (<i>Ameiurus nebulosus</i>): A comparison with conventional netting <i>Nicola Pyper - SLR Consulting</i>	
10:45 – 11:00am	Assessing the ecological and cultural health of the Tokaanu Stream <i>Kevin Eastwood - Waikato University</i>	What a Nuisance! Assessment of water quality and nuisance algae blooms in urban stormwater ponds in Ōtautahi Christchurch, Aotearoa New Zealand <i>Stephanie Koviessen - University Of Canterbury</i>	Contaminant loads associated with high river flows and the implications for policy <i>Rich McDowell - Agresearch / Lincoln Uni</i>	Detecting low densities of koi & other pest fish species in lowland lakes using eDNA <i>Ashton Reiser - University Of Waikato</i>	

11:00 – 11:15am	Catchment Groups Tackling Freshwater Issues – the ‘Wai Connection – Tatai Ki Te Wai’ Project in Waitaha/Canterbury <i>Jessica Halsey - EOS Ecology</i>	Monitoring cyanobacteria at the shoreline of Auckland’s recreational lakes <i>Natalie Gilligan - Auckland Council</i>	Quantifying diffuse agricultural contaminant attenuation by constructed wetland across diverse agricultural landscapes <i>Chris Tanner - NIWA</i>	Non-native macrophytes alter macroinvertebrate communities <i>Saskia Brown - University Of Canterbury</i>	
11:15 – 11:30am	A collaborative approach for developing catchment specific environmental flows across three of Rotorua's water supply springs <i>Calyn Khoo - Pattle Delamore Partners</i>	Nutrient Recovery from agricultural drainage using Filamentous Algae Nutrient Scrubbers (FANS) <i>Rupert Craggs - NIWA</i>	Characterisation and potential optimisation of seepage wetland for nitrate removal in pastoral hill country catchments <i>Suha Sanwar - Northland Regional Council</i>	Targeted removal of exotic fish at Lake Tomorata <i>Nicholas Ling - Waikato University</i>	
11:30 – 12:30pm	Lunch				
	Bay Trust Forum	One Foundation Room	Skellerup Room	WSP Room	
THEME	Te mana o te wai – balancing water, environment and people II	Algae and harmful blooms II	Catchment management and water quality II	Species and ecosystem conservation I	
Session Chair	Dean Miller	Mafalda Baptista	Janine Kamke	Michael Lake	
12:30 – 12:45pm	Turitea Windfarm Construction – adaptive monitoring and management for protection of sensitive freshwater systems <i>Dean Miller - Tonkin + Taylor</i>	Trace metal phytoplankton interaction in three New Zealand lakes of different trophic state <i>Markus Dengg - Otago Regional Council</i>	Sources of faecal contamination across the Auckland Region’s River Monitoring Network <i>Janine Kamke - Auckland Council</i>	Environmental drivers of glass eel migrations to Aotearoa <i>Siobhan Nuri - University Of Waikato/NIWA</i>	
12:45 – 1:00pm	Practicing partnership: Iwi-led eDNA research for Wairarapa Moana <i>Katie Brasell - Cawthron / Kahungunu Ki Wairarapa</i>	National Scale Operational Monitoring of Chlorophyll-a in Diverse Optical Water Types Across New Zealand Using Sentinel-2 and Machine Learning	Development of the SedNetNZ sediment budget model to support freshwater policy implementation <i>Hugh Smith - Manaaki Whenua - Landcare Research</i>	This should be easy...only it isn't - The challenges of creating novel habitat for black mudfish <i>Michael Lake - Tonkin + Taylor</i>	

		<i>Mathew Allan - Waikato Regional Council</i>			
1:00 – 1:15pm	Mana o te Wai and the new rhetoric-of “what does that mean”? or Being Maori, Being a woman, Being a kaitiaki, Being ahi kaa <i>Raewyn Bennett - Te Arawa Ki Tai Trust</i>	Diatomix - Redirecting nutrients back into the food chain and away from BGA <i>Alexei Davies-Campbell - As Harrison</i>	Very simple catchment water quality models <i>Ton Snelder - LWP Ltd</i>	Northland Īnanga Spawning Habitat Restoration Project (NĪSHRP) <i>Nicholas Naysmith - Mountains To Sea</i>	
1:15 – 1:30pm	Wetland enhancement amongst complicated hydrological settings – a case study of Whangamarino Wetland within the Lower Waikato Waipa Flood Control Scheme <i>James Blyth - Collaborations</i>	Cyanobacteria blooms and ecosystem health in Waikato riverine lakes <i>Mafalda Baptista - Waikato Regional Council</i>	Continuous Water Quality Monitoring - The Smart Approach to Water Resource Management <i>Ebrahim Hussain -</i>	Rethinking freshwater translocations in Aotearoa New Zealand <i>Roland Eveleens - Cawthron Institute</i>	
1:30 – 1:45pm	ROTO-ORA - Designing Lake Cultural Models with Tangata Whenua to assess lake ecosystem health <i>Mereana Wilson-Rooy -</i>		Real-time contaminant signatures from low-cost sensors to inform sub-catchment management actions <i>James Dare - Bay of Plenty Regional Council</i>	Livin’ on the edge – deep-water bryophytes in Otago’s high-country lakes <i>Mary de Winton - NIWA</i>	
1:45 – 2:10pm	Afternoon Tea				
2:10 – 3:00pm	Keynote Speaker 6 Olivier Ausseil				
	Bay Trust Forum	One Foundation Room	Skellerup Room	WSP Room	
THEME			Catchment management and water quality III	Species and ecosystem conservation II	
Session Chair			Andrew Hughes	Richard Allibone	
3:05 – 3:20pm			Transforming Lowland Waterway Networks – a Catchment Management Plan for the Ararira/LII River Catchment, Waitaha/Canterbury <i>Zoe Dewson - EOS Ecology</i>	Assessing the Effectiveness of Freshwater Mussel Habitat Remediation & Translocation Following Cyclone-Induced Impacts in Rotokawau <i>Ebrahim Hussain -</i>	

3:20 - 3:35pm			Joining the dots for rural communities: Using and translating multiple information sources to inform water quality discussions and freshwater farm planning - Taiāri/Taieri catchment, Otago <i>Juliet Milne - Traverse Environmental</i>	Habitat creation for mudfish - a case study <i>Raven Allen - Ecological Solutions</i>	
3:35 - 3:50pm			What makes Te Whanga Lagoon tick? – a better understanding of one of New Zealand’s largest coastal lakes/lagoons <i>Adrian Meredith - Canterbury Regional Council</i>	Predicting macrophyte survival in a degraded lake using estimates of photosynthesis and root oxygen release <i>Ben Woodward - NIWA</i>	
3:50 - 4:05pm			The impact of steepland clear-cut harvesting on sediment-related water quality <i>Andrew Hughes - NIWA</i>	Aquatic values of the Takapo/Tekapo Military Training Area <i>Richard Allibone - Water Ways Consulting Limited</i>	
6:30 - Late	Conference Dinner Te Puia				

FRIDAY 22 NOV | FIELD TRIPS