

"Ecology at the Water's Edge"

NZ Freshwater Sciences & Ecological Society Conference 2005 Programme

Sunday 28th August

10.00 - 4.00	WAIMEA ROOM Ecolsoc Student Session
7.00 - 9.00 pm	WAIMEA ROOM Public Session kindly sponsored by Tasman District Council
6.00 - 8.00 pm	Registration

Monday 29th August

8.30-10.30	Registration		
	MAITAI ROOM		
10.30 - 10.45	Barney Thomas on behalf of Tangata Whenua		
10.45 -10.55	Formal welcome by Society Presidents		
10.55 - 11.00	Housekeeping		
11.00 - 11.25	Keynote Speaker - Hon. Marian Hobbs, Minister for the Environment		
	MAITAI ROOM	WAIMEA ROOM	WAIRAU ROOM
	<i>Native fish 1</i> Gerry Closs	<i>Conserving plants and others</i> Bruce Clarkson	<i>Foodwebs</i> Marc Schallenberg
11.30-11.50	Jellyman The status of stocks of freshwater eels in New Zealand	Grove** Conservation of a threatened <i>Melicytus</i> shrub in the central North Island	Boothroyd Biofilm-invertebrate relationships in streams
11:50-12:10	Boubee Three-dimensional tracking of the movement of migrant eels within the forebay of Arapuni Power Station	Brockerhoff Contributions of planted forests to biodiversity protection at the landscape level	Danger*** The influence of near-bed flow on shredding invertebrates and leaf processing: A manipulative experiment.
12.10-12.30	Closs Does social rank determine movement and growth rate in a drift feeding stream fish?	Brandon Long-term monitoring of the endangered Cook's scurvey grass, <i>Lepidium oleraceum</i> : Results from the intensive monitoring phase	
12.30 - 1.30	Lunch		

Monday 29th August

	MAITAI ROOM	WAIMEA ROOM	WAIRAU ROOM
	Native fish 2 Martin Rutledge	Wetlands Trevor James	Botanical pot pouri Jon Sullivan
1:30-1:50	Hicks A phylogenetic study of the Australasian <i>Gobiomorphus</i> species based on two mitochondrial DNA genes	Tanner Mesocosm and microcosm studies of factors influencing nitrogen removal in constructed wetlands treating nitrate-rich agricultural drainage	Kay Tri-trophic consequences of habitat fragmentation
1:50-2:10	Atkinson** The genetics and meristics of two <i>Gobiomorphus</i> species: The Cran's and upland bullies	Sorrell Nitrogen stable isotope fractionation along an N limitation gradient in an oligotrophic swamp valley	Mathieu Very high resolution imagery and object-oriented classification for mapping vegetation communities in urban areas (Dunedin, New Zealand)
2:10-2:30	Crow** Morphological analysis of <i>Galaxias</i> 'southern' and <i>G. gollumoides</i> : Evidence for character displacement in sympatry?	Gerbeaux/Ausseil (A) WONI project: An update	Monks Domatia in <i>Coprosma</i> - state-housing schemes for homeless (and useful) mites
2:30-2:50	Arbuckle Affects of abstraction on native fishery assemblages: implications for water resource management		Burns Convergence in leaf size and shape between heteroblastic plants in New Caledonia and New Zealand
2:50-3:10	Bickel Influence of mechanical macrophyte management on invertebrate and fish abundance		
3.10-3.40		<i>Afternoon Tea</i>	
	MAITAI ROOM	WAIMEA ROOM	WAIRAU ROOM
	Salmonid management Neil	Snakes, lizards, and rats Jason Roxburgh	Low flows Greg Burrell
3:40-4:00	Bejakovich Fish and Game New Zealand Chinook Salmon (<i>Oncorhynchus tshawytscha</i>) monitoring programme	Tyrrell Predation of brown treesnakes (<i>Boiga irregularis</i>) on invasive amphibians (<i>Eleutherodactylus planirostris</i> and <i>Bufo marinus</i>)	Henderson Mapping low flow in ungauged New Zealand streams
4:00-4:20	Weaver** Diet of brown trout in the Karori Wildlife Sanctuary	Francke** Response in abundance, demography and body condition of the New Zealand common gecko, <i>Hoplodactylus maculatus</i> , to vegetative restoration	Dewson*** Do stream ecosystems function correctly when flows are reduced?
4:20-4:40	Tonkin* The effect of periphyton growth on macroinvertebrate drift in the Tongariro River	Hoare Micro-habitat use by sympatric native geckos (<i>Hoplodactylus duvaucelii</i>) and kiore, (<i>Rattus exulans</i>) in New Zealand	James*** Do New Zealand stream invertebrates use the hyporheic zone as a low flow refuge?
4:40-5:00	Kristensen*** Self-thinning in growing cohorts of young-of-the-year brown trout (<i>Salmo trutta</i>): Are populations controlled by territory size or food availability?	Christie Using site occupancy to model ship rat distribution in beech forest – A pilot study	
5.00-6.00	Mix & Mingle, Main Foyer		
	SWIG meeting		

Tuesday 30th August			
8.30 - 9.00	MAITAI ROOM Philippe Gerbeaux Now or never: Why we need to conserve New Zealand's last remaining wetlands and how		
	MAITAI ROOM <i>Aquatic biodiversity 1</i> Invertebrates <i>Ian Boothroyd</i>	WAIMEA ROOM <i>Bird song</i> <i>John Innes</i>	
9:00-9:20	Moore Aquatic Invertebrates of a Brunei Rainforest River	Molles Acoustic anchors: Can song playback enhance the success of kokako translocations?	
9:20-9:40	Smith Who's your daddy? A tale of an orphaned caddisfly	van Horik** Function and diversity in the vocal repertoire of the North Island kaka (<i>Nestor meridionalis septentrionalis</i>) on Kapiti Island	
9:40-10:00	Greenwood*** Living on ecosystem boundaries: The impacts of floods on populations of a New Zealand fishing spider, <i>Dolomedes aquaticus</i>		
10:00-10:30		<i>Morning Tea</i>	
	MAITAI ROOM <i>Special Session - Ephemeral streams</i> <i>John Quinn</i>	WAIMEA ROOM <i>Bird pot pouri</i> <i>Peter Gaze</i>	WAIRAU ROOM <i>Bioassessment</i> <i>Chris Fowles</i>
10.30 - 10.50	Maxted Regional policy development for small (ephemeral) streams	Baillie The riparian edge – habitat for Blue Duck (<i>Hymenolaimus malacorhynchos</i>)	Collier Development of a reference site network for wadeable stream monitoring in the Waikato
10:50-11:10	Parkyn Where streams begin: Ecological values at the land-water interface	Roxburgh Pateke (Brown Teal): The fall and rise of the world's 4th rarest duck	Inglis** The River Environment Classification and its application in the Auckland Region
11:10-11:30	Wilding Spatial extent of ephemeral streams	Innes Distribution, movements and nesting success of Waikato tui	Stark The influence of flow variability on biotic indices
11:30-11:50	Storey Moving with the times: Community shifts and colonisation dynamics in summer-dry streams	Gleeson Avian malaria in New Zealand - extinction risk for native avifauna?	Young Functional indicators of river ecosystem health – results from regional case-studies
11:50-12:10	Scarsbrook Human impacts on springhead ecotones	Choquenot Bioeconomic modeling in conservation pest management: Effect of stoat control to reduce extinction risk for Mohua	Phillips Assessing macroinvertebrate community responses to heavy metals using species traits
12:10-12.30	Robson Pathways for algal recolonisation in ephemeral streams	Wood*** Some aspects on the feeding ecology of moa in the late Holocene dryland basins of Central Otago, New Zealand	
12.30 - 1.30		<i>Lunch</i>	

Tuesday 30th August			
	MAITAI ROOM	WAIMEA ROOM	
	<i>Aquatic biodiversity 2 - Algae</i> <i>Carolyn Burns</i>	<i>Wetland vegetation</i> <i>Sorrell</i>	<i>Brian</i>
1.30 - 1.50	Bloxham Cyanobacterial monitoring in the Rotorua lakes	Clarkson Restoration of a cut-over restiad peat bog at Torehape, Hauraki Plains	
1.50 - 2.10	Wood Accumulation of microcystins (a toxin produced by cyanobacteria) in freshwater organisms	Ogden Successional processes in coastal swamp ecosystems on Great Barrier Island.	
2.10 - 2.30	Schallenberg Predicting the nutrient limitation status of phytoplankton: State of the Art		
2.30 - 3.10	Poster session HEAPHY ROOM		
3.10 - 3.40	<i>Afternoon Tea Waimea Foyer</i>		
3.40 - 4.30	Poster session cont'd		
		WAIMEA ROOM	WAIRAU ROOM
4.30 - 5.30		Freshwater Sciences AGM	Ecological Society AGM
6.00 - 7.00	Jam Session		

Wednesday 31st August

8.30 - 9.00	MAITAI ROOM Prof. Stuart Bunn Director of Centre for Riverine Landscapes, Environmental Sciences, Griffith University. Riparian influences on the health of stream and river ecosystems		
	MAITAI ROOM	WAIMEA ROOM	WAIRAU ROOM
	<i>Special Session Riparian 1</i> Rob Davies-Colley	Lakes Susie Wood	Invasive fish Lawson Davey
9:00-9:20	Matthaei Effects of fine sediment addition and nutrient enrichment on pasture streams: A multiple-stressor experiment at the reach scale	Hamilton Modelling water quality management options for Lake Rotoiti	Hicks Quantitative estimates of fish abundance from boat electrofishing
9:20-9:40	Wright-Stow Lessons from logging: Effects of elevated sediment and organic matter loads on stream biota	Baldwin*** Nitrogen fixation in two Rotorua lakes	Barnes Discovery and subsequent eradication of gudgeon (<i>Gobio gobio</i>) and smooth marron (<i>Cherax tenuimanus</i>) from two locations in the Auckland Region - An inter-agency response
9:40-10:00	Phillips Can our native species perform river bank stabilising functions as well as willows? Case of the cabbage tree	Burger*** Nutrient cycling in a eutrophic polymictic lake: Quantifying sedimentation and benthic fluxes to assess internal nutrient loads	
10:00-10:30		<i>Morning Tea</i>	
	MAITAI ROOM	WAIMEA ROOM	WAIRAU ROOM
	<i>Special Session - Riparian 2</i> Kevin Collier	Selwyn messages	Invasive plant Peter Williams
10.30 - 10.50	Nagels Water quality impacts of cattle in pasture with accessible streams	Kelly Flow permanence, groundwater abstraction and invertebrate community dynamics in the Selwyn River	Gatehouse*** Understanding the historical spread of naturalised plants in New Zealand
10:50-11:10	Davies-Colley Faecal pollution reduced by bridging of stream crossings on the Sherry River, Tasman District	Davey How do native fish persist in intermittent streams?	Howell Spatial predictions of <i>Asparagus</i> species in New Zealand
11:10-11:30	Macdonald* Functional and structural processes in small streams: The influence of landuse	Larned Subsurface hydrochemistry in the alluvial Selwyn River, New Zealand	McAlpine*** Factors contributing to invasion success in the environmental weed <i>Berberis darwinii</i> : Seed dispersal, germination, and seedling establishment
11:30-11:50	Quinn Factors controlling retention of terrestrial litter that falls into streams	Datry Subsurface biotic gradients in the alluvial Selwyn River, New Zealand	
11:50-12:10	Chester Sampling detritivore responses to resource availability in soft-bedded streams		
12:10-1.30		<i>Lunch</i>	

Wednesday 31st August

	MAITAI ROOM	WAIMEA ROOM	
	<i>Special Session Riparian 3 Roger Young</i>	<i>Herbivory Nod Kay</i>	
1:30-1:50	Ausseil Estimating contaminant loads and point source / non point source contributions at the subcatchment scale	Duncan Modelling the long-term benefits of deer control for canopy tree regeneration	
1:50-2:10	Wilcock Diurnal changes in water chemistry in a macrophyte-dominated, softwater stream	Newell Alpine grassland response to declining introduced deer populations over 45 years, Harper-Avoca, Canterbury	
2:10-2:30	Olsen Effects of agricultural pollutants on competition between filter-feeding caddis flies	Smale Herbivory impacts on central North Island forests: an appraisal from long-term data	
2:30-2:50	Richardson Lessons from an active restoration project	Wiser Workshop on threatened ecosystems	
2:50-3:10	Conference Closing		
3.10 - 3.40		<i>Afternoon Tea</i>	
		Wiser Workshop on threatened ecosystems contd.	
4.00	Touch Rugby Botanicls Playing Field at the 'Centre of New Zealand'		
7.00	Conference Dinner - Maitai Club kindly assisted by Department of Conservation		

Thursday 1st September

8.30 am	Motueka Integrated Catchment kindly sponsored by Landcare Research & Cawthron Institute
9.00 am	Rotoiti Nature Recovery Project
9.00 am	Waimea & the Brook
8.30 am	Mangarakau & Golden Bay

Friday 2nd September

to 4.00 pm	extended Golden Bay Field Trip
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Students ***PhD **MSc *BSc