

## Provisional Program

### Monday 21 May 2007

4.00	Registration
5.00-6.30	Welcome Reception and Trade Display
	Free evening own arrangements

### Tuesday 22 May 2007

8.00	Registration from 8am
8.45	<b>MAIN THEATRE</b> <b>Welcome and Introduction - Professor Allan Curtis</b> Director, Institute for Land, Water and Society, Charles Sturt University
8.50	<b>Opening Address – Yalmambirra</b> Indigenous involvement in river management Koorie Academic, Charles Sturt University
9.05	<b>KEYNOTE SESSION – ‘SCIENCE UNDERPINNING RESTORATION PRACTICES’ (THEME 1)</b> <b>Dr Bryson Bates – CSIRO (Climate Program)</b> Climate change and what it means for river management
9.25	<b>Mr Ray Evans – Salient Solutions</b> Exploring the connection between groundwater and rivers - the new convergence
9.45	<b>A/Prof Robyn Watts – Charles Sturt University</b> Challenges for improving the science underpinning river restoration practices
10.05	<b>Questions</b>
10.20-10.50	Morning Tea

## Tuesday 22 May 2007 (continued)

	<b>MAIN THEATRE</b> <b>CONCURRENT SESSION 1A</b> <i>GEOMORPHOLOGY</i>	<b>ELIZABETH ROOM</b> <b>CONCURRENT SESSION 1B</b> <i>ENVIRONMENTAL FLOWS</i>	<b>THEATRETTE</b> <b>CONCURRENT SESSION 1C</b> <i>PLANNING/SETTING TARGETS</i>
<b>10.50</b>	River restoration based on natural channel characteristics: how to develop restoration designs for different rivers and riparian plant communities <b>Wayne Erskine</b> , Michael Saynor, Gary Fox	EWA required to sustain macroinvertebrate species in ephemeral streams <b>Belinda Robson</b> , Edwin Chester, Chris Austin	Using remote sensing to map wetland water clarity and permanence: approaches for identifying wetlands requiring management in large catchments <b>Leo Lymburger</b> , Damien Burrows, Barry Butler
<b>11.10</b>	Tape, maps, scissors, and a responsible adult: a restoration project starter kit for geomorphic assessors <b>James Grove</b> , Tony Ladson	Environmental flows and ecological health of the lower Wimmera River <b>Anne-Maree Westbury</b> , David Tiller, Leon Metzeling	Determining end-point goals and effective strategies for rehabilitation of coastal wetlands: Examples from the Burdekin River, North Queensland <b>Damien Burrows</b> , Barry Butler
<b>11.30</b>	Alluvial gully erosion in Australia's tropical rivers: a conceptual model as a basis for a remote sensing mapping procedure <b>Andrew Brooks</b> , John Spencer, Jon Knight	Ecohydraulics - the use of hydraulic models to inform the management of environmental water on the River Murray <b>Warwick Bishop</b> , Tim Womersley, Ben Tate	Biofilm and flow regimes: Developing a biological monitoring program for the Nymboida River, northern NSW <b>Emilie Warner</b> , Darren Ryder, Andrew Boulton, Barbara Downes
<b>11.50</b>	Large-area, high-resolution remote sensing based mapping of alluvial gully erosion in Australia's tropical rivers <b>Jonathan Knight</b> , John Spencer, Andrew Brooks, Stuart Phinn	The first decade of water resource planning in Queensland: What have we learned about environmental flows? <b>Sandra Brizga</b>	Aquatic biodiversity assessment and mapping method (AquaBAMM): a conservation values assessment tool for wetlands with trial application in the Burnett River catchment, Queensland Paul Clayton, <b>Darren Fielder</b> , Steven Howell, Chris Hill
<b>12.10</b>	Towards an objective approach for a regional - continental scale geomorphic river classification <b>John Spencer</b> , Andrew Brooks, Jon Knight	What's stopping the water? Identifying influences on environmental water releases in the Wimmera <b>Fiona Dyer</b> , Ben Dyer, Heinz DeChelard, Greg Fletcher	Planning for action: the evolution from state-wide priorities to local work sites <b>Veronica Lanigan</b> , Stuart Pengelly
<b>12.30-1.30</b>	<b>Lunch</b>		

## Tuesday 22 May 2007 (continued)

	<b>MAIN THEATRE: KEYNOTE SESSION – ‘HOW EFFECTIVELY ARE WE BUILDING CAPACITY?’ (THEME 5)</b>		
1.30	<b>Prof Allan Curtis – Charles Sturt University</b> Building regional NRM capacity: How can we do better?		
1.50	<b>Prof Peter Davies – University of Western Australia</b> Building regional capacity for river restoration and management		
2.10	<b>Dr Jane Roots – North-East Catchment Management Authority</b> Learning by doing: the tender process in action		
2.30	Questions		
2.45-3.15	Afternoon Tea		
	<b>MAIN THEATRE</b> <b>CONCURRENT SESSION 2A</b> <i>CAPACITY BUILDING</i>	<b>ELIZABETH ROOM</b> <b>CONCURRENT SESSION 2B</b> <i>VEGETATION AND HYDROLOGY</i>	<b>THEATRETTE</b> <b>CONCURRENT SESSION 2C</b> <i>EWATER CRC</i>
3.15	Can the ‘triple bottom line’ concept help organisations respond to sustainability issues? <b>Michael Mitchell</b> , Allan Curtis, Penny Davidson	Magnitude of response: selecting sites for monitoring vegetation response to environmental flows <b>Jane Roberts</b> , Fiona Dyer	Setting ecological targets for river systems: a framework to support multi-stakeholder groups <b>Ruth O’Connor</b> , Susan Nichols, Peter Oliver, Richard Norris, Bill Johnson
3.35	Key ingredients for the successful implementation of riparian rehabilitation programs <b>Lori Gould</b>	Using phenology of eucalypts to determine environmental watering regimes for the River Murray floodplain, South Australia <b>Anne Jensen</b> , Keith Walker, David Paton	River and catchment restoration prioritisation tools <b>Nick Marsh</b> , Simon Linke , Ralph Ogden, Paul Wettin, Peter Cottingham
3.55	Relationships, resources and results: reflections on experiences in building capacity for improved river and riparian management <b>Siwan Lovett</b> , Philip Price	When sub-alpine peatlands recover from over a century of grazing and fire, will they reduce flows for downstream users? <b>Ruth Lawrence</b> , Ian Rutherford, Paul Bentley	River operations and management tools <b>David Nicholls</b>
4.15	Water and conflict resolution: from smoke filled rooms to public participation <b>Kathleen Bowmer</b>	Trialling different low cost methods of water hyacinth removal in tropical coastal wetlands <b>Vern Veitch</b> , Damien Burrows, David Hudson	Predicting ecological responses for improved stream management <b>Nick Marsh</b> , Sylvain Arene and Ralph Ogden
4.35	Connecting the community to waterways through stories <b>Rachel Lopes</b>	Can we use historical data to generate hypotheses for environmental flows? An example using aquatic plants. <b>Barbara Downes</b> , Lucy Nairn	New generation models for catchment modelling: developments in the eWater CRC <b>Phillip Jordan</b> , Robert Argent, Rory Nathan
5.00-6.30	Posters and Drinks		
6.30-9.00	“Tastes of the Region” Informal Dinner		

## Wednesday 23 May 2007

9.00	Housekeeping
	<b>MAIN THEATRE</b>
	<b>KEYNOTE SESSION – ‘OUTCOMES OF RESTORATION INVESTMENTS’ (THEME 3)</b>
9.05	<b>Dr Brenda Dyack – ABARE</b> What 'should be' the outcome of restoration investments?
9.25	<b>Mr Wayne Tennant – Goulburn Broken Catchment Management Authority</b> Changing visions and institutional arrangements - are we improving the health of Victorian rivers?
9.45	<b>Dr Michael Douglas - Charles Darwin University</b> Restoration investment and tropical rivers: prevention is better than cure
10.05	Questions
10.20-10.50	Morning Tea
11.00	Field Trips Lunch in the Field
5.00	Free Evening

## Thursday 24 May 2007

9.00	Housekeeping		
	<b>MAIN THEATRE</b> <b>KEYNOTE SESSION – ‘IS NEW POLICY EVIDENCE BASED AND ARE THE INITIATIVES WORKING?’ (THEME 2)</b>		
9.05	<b>Dr Jane Doolan – Dept of Sustainability &amp; Environment</b> Setting up policy frameworks to deliver evidence-based decision-making in integrated river management		
9.25	<b>Mr Matt Linnegar – Murrumbidgee Irrigation Ltd</b> Murrumbidgee River Reach		
9.45	<b>Mr Jim McDonald – Namoi Catchment Management Authority</b> Is new policy evidence based and is it working?		
10.05	Questions		
10.20-10.50	Morning Tea		
	<b>MAIN THEATRE</b> <b>CONCURRENT SESSION 3A</b> <i>POLICY</i>	<b>ELIZABETH ROOM</b> <b>CONCURRENT SESSION 3B</b> <i>GEOMORPHOLOGY</i>	<b>THEATRETTE</b> <b>CONCURRENT SESSION 3C</b> <i>INVESTMENT OUTCOMES</i>
10.50	Do stakeholder committees produce fair policy outcomes? <b>Jonathon Howard</b>	Sediment supply from small upland catchments: possible implications of headwater channel restoration for stream management <b>Hugh Smith</b> , Deirdre Dragovich	An interdisciplinary perspective of riverwork projects in the Upper Hunter Catchment, NSW: has river rehabilitation begun? <b>Alexandra Spink</b> , Kirstie Fryirs, Gary Brierley, Kate Lloyd
11.10	Developing appropriate incentives for improving water quality in the Burdekin River catchment <b>Allyson Lankester</b> , Romy Greiner	Boundary shear stress distribution in meandering compound channel flow <b>Kishanjit Khataua</b> , Kanhu Charan Patra	Honeysuckle Reservoir decommissioning <b>Christopher Dwyer</b>
11.30	What is ‘environmental water’? <b>Mark Hamstead</b>	Which confluences should we use to differentiate stream segments for management? A geomorphic assessment. <b>Elisa Zavadil</b> , Michael Stewardson, Anthony Ladson, Ian Rutherford	Anabranched management on a regulated reach of the Murray River <b>Julian Martin</b> , Dean Judd
11.50	Finding integration pathways: developing a transdisciplinary approach for the Upper Nepean Catchment. <b>Carolyn Palmer</b> , J Gothe, C Mitchell, C Riedy, K Sweetapple, S McLaughlin, G Hose, et al.	Optical dating of post-European settlement channel change: Gilmore Creek, south-eastern Australia <b>Ken Page</b> , Paul Frazier, Tim Pietsch, Remy Dehaan	Considered data arrangements for effective and holistic catchment management <b>Paul Fennell</b> , Michael Jensz
12.10	A mouthful of mud: the fate of flood contaminants from the Fitzroy River, Queensland, Australia and implications for reef water quality policy <b>Robert Packett</b>	Sediment sources in the Lake Burragorang catchment and their management <b>Paul Rustomji</b> , Scott Wilkinson	Greening Australia river recovery outcomes in rural northern Tasmania <b>Michael Noble</b> , Sebastian Burgess
12.30-1.30	Lunch		

## Thursday 24 May 2007 (continued)

	<b>MAIN THEATRE</b> <b>KEYNOTE SESSION – ‘ARE WE REALLY DOING ADAPTIVE MANAGEMENT’ (THEME 4)</b>		
1.30	<b>Dr Catherine Allan – Charles Sturt University</b> Adaptive management of natural resources		
1.50	<b>Mr Les Roberts - Murray Darling Basin Commission</b> The Living Murray’		
2.10	<b>Dr Deborah Nias – Murray Wetlands Working Group</b> Learning by doing: 14 years experience in delivering environmental outcomes in the Murray Valley		
2.30	<b>Questions</b>		
2.45-3.15	<b>Afternoon Tea</b>		
	<b>MAIN THEATRE</b> <b>CONCURRENT SESSION 4A</b> <i>ADAPTIVE MANAGEMENT</i>	<b>ELIZABETH ROOM</b> <b>CONCURRENT SESSION 4B</b> <i>SCIENCE UNDERPINNING PLANNING (Theme 1)</i>	<b>THEATRETTE</b> <b>CONCURRENT SESSION 4C</b> <i>INVESTMENT OUTCOMES</i>
3.15	Adaptive management for determining environmental flows in the ACT <b>Michael Peat</b> , Richard Norris	Science to support water sharing planning in New South Wales Kathleen Bowmer, Phillip Eberbach, Tom Murphy, <b>Eddie Harris</b>	Waterway rehabilitation - Shays Creek <b>Luke Austin</b>
3.35	Developing adaptive management in the Macquarie-Cudgegong Rivers, Central West NSW <b>Samantha Davis</b> , Bill Johnson	Development and implementation of the Maroochy Waterways Management and Rehabilitation Plan Steve Dudgeon, David Moore, <b>Michael Smith</b>	Dam threat to a decade of restoration of the Mary River, Qld <b>Glenda Pickersgill</b> , Steve Burgess, Brad Wedlock
3.55	Real-life management of an environmental water reserve - a Wimmera perspective <b>Hugh Christie</b>	Uncertainty in diffuse source pollution assessment and mitigation options – who knows? <b>Alexander Herr</b> , Petra Kuhnert	Prediction of fluvial seed dispersal and long-term sustainability of riparian vegetation using sediment transport processes <b>Jeremy Groves</b> , Gary Caitcheon, Richard Norris, David Williams
4.15	A riparian categorisation strategy for urban drainage channels in Gold Coast City <b>Kendall Bott</b>	Assessment of environmental water efficiency - a case study of providing water for Lowerbidgee Ramsar Wetlands Shahbaz Khan, <b>Tariq Rana</b>	Market based incentives: a consumer's experience of participating in river tender <b>Rick James</b> , John Paul
4.35	<b>Close</b>		
6.00	<b>Bus to All Saints Winery, Rutherglen</b>		
6.30-late	<b>Conference Banquet, All Saints Winery, Rutherglen</b>		

## Friday 25 May 2007

	<b>MAIN THEATRE</b> <b>CONCURRENT SESSION 5A</b> <i>SCIENCE UNDERPINNING RESTORATION</i>	<b>ELIZABETH ROOM</b> <b>CONCURRENT SESSION 5B</b> <i>CAPACITY BUILDING</i>	<b>THEATRETTE</b> <b>CONCURRENT SESSION 5C</b> <i>GEOMORPHOLOGY</i>
<b>9.00</b>	<b>Housekeeping</b>	<b>Housekeeping</b>	<b>Housekeeping</b>
<b>9.10</b>	Challenges faced in the integration of science in river management in Australia <b>Kirstie Fryris</b> , Mick Hillman, Alexandra Spink	An evaluation of Waterwatch activities in West Gippsland, Victoria <b>Tammy Dawson</b> , Bob Goodbourn	Estimating sediment loads in Great Barrier Reef catchments: balance between modelling and monitoring <b>Rebecca Bartley</b> , David Post, Anne Kinsey-Henderson, Aaron Hawdon
<b>9.30</b>	Functional indicators of river ecosystem health – an alternative approach to measuring successful stream restoration? <b>Roger Young</b>	Waterwatch – an integrated capacity building initiative <b>Don Thomson</b>	Regional hydraulic geometry models for Queensland streams <b>Sunil Tennakoon</b> , Nick Mash
<b>9.50</b>	Conserving freshwater ecosystem values in Tasmania, Australia: Identification and application of freshwater conservation management priority areas. <b>Danielle Hardie</b> , Peter Davies	Community wetland monitoring in the South Australian Murray-Darling Basin <b>Adrienne Frears</b> , Tracey Steggle	Using airborne scanners to map pools in rivers <b>Michael Stewardson</b> , Jeffrey Walker, Michelle Kan, Luke Kitchen, Stephen Wealands, Jörg Hacker, Payam Ghadirian, Glen Scholz
<b>10.10</b>	Ecological condition and biodiversity value of urban riparian and non-riparian bushland environments: Ku-ring-gai, Sydney <b>Christopher Ives</b> , Mark Taylor, Peter Davies	City people eat rivers: estimating the virtual water consumed by people in a large Australian city <b>Ian Rutherford</b> , Amelia Tsang, Siao Khee Tan	Managing flow for geomorphic form: erosion and accretion of river benches <b>Geoff Vietz</b> , Ian Rutherford, Michael Stewardson, Brian Finlayson
<b>10.30</b>	A strategy for managing aquatic habitat in the waterways of the Port Phillip and Westernport Region <b>Kevin Wood</b> , Jane Bateson	Translating science into practice - is 'best practice' the best option? <b>Justine Watt</b> , Michael Jensz	Assembly of geomorphic targets for stream rehabilitation - summary of a manual template <b>David Outhet</b> , Carolyn Young
<b>10.50-11.20</b>	<b>Morning Tea</b>		

## Friday 25 May 2007 (continued)

	<b>MAIN THEATRE CONCURRENT SESSION 6A <i>INVESTMENT OUTCOMES</i></b>	<b>ELIZABETH ROOM CONCURRENT SESSION 6B <i>ADAPTIVE MANAGEMENT</i></b>	<b>THEATRETTE CONCURRENT SESSION 6C <i>CHANNEL CHANGE/RIPARIAN MGT</i></b>
<b>11.20</b>	Audit and remediation of fish passage barriers in coastal NSW. <b>Matthew Gordos</b> , S Nichols, C Lay, A Townsend, C Grove, S Walsh, C Copeland	Effects of plantation forest harvesting on water quality and quantity: Canobolas State forest, NSW <b>Ashley Webb</b> , Brad Jarrett, Lisa Turner	Channel resilience and recovery mechanisms for an incised sand-bed stream: Implications for riparian management. <b>Richard Bush</b> , A Keene, W Erskine
<b>11.40</b>	Response of a fish assemblage to experimental rehabilitation procedures in the Glenelg River, Victoria <b>Travis Howson</b> , Belinda Robson, Brad Mitchell	Sediment and nutrient generation rates for Queensland rural catchments – an event monitoring program to improve water quality modelling <b>David Waters</b> , Robert Packett	Valley chokes in the upper Wimmera River catchment are playing key roles in mitigating the threats of erosion – a model case study <b>Martin Hillemacher</b> , Brian Seymour
<b>12.00</b>	Are we succeeding in meeting our resource condition targets? What riparian condition assessment method gives us the most favourable results? Sally Bagg, <b>James Kaye</b> , Scott Morath, J Slijkerman	Examining ‘inclusiveness’ in adaptive natural resource management <b>Deidre Wilcock</b>	Monitoring of remediation works to arrest stream degradation in an agriculture-dominated catchment <b>Andrea Wilson</b> , Robyn Watts, Ken Page, Remy Dehaan
<b>12.20</b>	Murrumbidgee CMA Environmental Water Management. <b>Marcus Wright</b>	River restoration works on the River Murray <b>Tony Crawford</b>	Are waterways with willows wider? <b>Elizabeth Pope</b> , Brian Finlayson, Ian Rutherford
<b>12.40-1.30</b>	<b>Lunch</b>		
	<b>MAIN THEATRE CONCURRENT SESSION 7A <i>POLICY</i></b>	<b>ELIZABETH ROOM CONCURRENT SESSION 7B <i>GEOMORPHOLOGY</i></b>	<b>THEATRETTE CONCURRENT SESSION 7C <i>SCIENCE UNDERPINNING RESTORATION</i></b>
<b>1.30</b>	Public investment in waterway management in Victoria, Australia <b>Simon Robertson</b>	Connectivity of stream water and alluvial groundwater around restoration works in an incised sand-bed stream <b>Annabelle Keene</b> , Richard Bush, Wayne Erskine	Managing sources, sinks and transport of natural contaminants in regulated rivers: a case study in the Murrumbidgee River catchment, NSW <b>Darren Ryder</b> , Sue Vink, Nerida Bleakley, A Burns
<b>1.50</b>	Assessing the health of Tasmanian rivers: collecting the evidence <b>Johanna Slijkerman</b> , James Kaye, Fiona Dyer	Hydraulic geometry in river channel networks as a method for the assessment of river condition <b>Elizabeth Thornton</b> , Melissa Neave, Scott Rayburg	The identification and assessment of water quality hazards in the Leichhardt River, Mount Isa, Qld <b>Alana Mackay</b> , Tabitha Kuypers, Mark Taylor
<b>2.10</b>	Environmental planning frameworks for the protection of riparian corridors <b>Mark Taylor</b> , Robert Stokes, David Robinson, Elizabeth Lamaro, Peter Davies	The impact of fine sediment accumulation on benthic macroinvertebrates: implications for river management <b>Evan Harrison</b> , Richard Norris, Scott Wilkinson	Science underpinning River Murray environmental flows and restoration <b>Ian Overton</b> , Rod Oliver, Matt Colloff, Sebastien Lamontagne, Ben Gawne, Sarah Ryan
<b>2.40-3.00</b>	<b>KEYNOTE SESSION - MAIN THEATRE - Professor Peter Cullen – Commissioner, National Water Commission and Chair, Victorian Water Trust Advisory Council and Scientific Advisory Panel</b> Knowledge investments underpinning national water reform		
<b>3.10-3.20</b>	<b>CLOSE OF CONFERENCE Prof Allan Curtis Followed by Afternoon Tea</b>		

