

Conference at-a-glance: MONDAY, December 8

venue	Lazenby Hall				
8:35-8:40	Assoc Prof Nick Reid: Introduction and conference housekeeping				
8:40-8:45	Indigenous Representative: Welcome to Country				
8:45-8:55	Prof Ingrid Moses (Vice Chancellor, UNE): Welcome to UNE and to the Deputy Prime Minister, John Anderson				
8:55-9:10	The Hon, the Deputy Prime Minister, John Anderson (to be confirmed): Opening of the conference and the Federal Government's Natural Resource Reforms				
9:10-9:25	Assoc Prof Nick Reid introduces two performances by local artists: 1. Body Moves to perform "Ancient Lands" from The Plague and the Moonflower 2. Armidale Sing NSW Choir to perform Terra Nova: This Land, by Sirocco				
9:25-9:30	Assoc Prof Nick Reid opening of symposium: Australia's environmental challenge: ecological science and decision making				
9:30-9:50	Prof Hugh Possingham (University of Queensland): <i>Cost-efficient decision making at a continental scale</i>				
9:50-10:10	Leith Bouilly (Farmer/Grazier and Murray Darling Basin Leadership Program): <i>From catchment to kitchen table - achieving outcomes!</i>				
<i>morning tea</i> 10:10-10:40					
<i>chair</i> 10:40-11:00	<i>Assoc Prof Nick Reid</i> Peter Cosier (World Wide Fund for Nature): <i>The role of science and public debate in civil society</i>				
11:00-11:20	Prof Peter Cullen (University of Canberra): <i>Reflections on rippling the waters</i>				
11:20-11:40	Dr Steve Morton (CSIRO Environment and Natural Resources, Canberra): <i>Science and policy: some hard lessons</i>				
11:40-12:00	Wentworth Group Panel: questions from the floor and general discussion				
<i>lunch</i> 12:00-1:00	<i>media interviews</i>				
<i>lunch</i> 1:00-2:00	Dr Bill Lawrence (Smithsonian Tropical Research Institute, Republic of Panama) <i>Rainforests in Crisis: Comparing Threats to Australian, Amazonian and African Tropical Forests</i>		Workshop organised by Dr Menna Jones (Australian Chapter of the Society for Conservation Biology): <i>Talking with Government</i> (Speakers to be confirmed)		
2:00-4:00	OPEN FORUM Woodlands	OPEN FORUM Disturbance	OPEN FORUM Birds	OPEN FORUM Plants	OPEN FORUM Mammals
<i>drink and nibbles</i> 4:00-4:30	Drink, nibbles and poster setup				
4:30-6:30	POSTER SESSION				
6:30-8:30	CONFERENCE B-B-Q				

Conference at-a-glance: TUESDAY, December 9

8:30-10:00	SYMPOSIUM Woodlands and their sustainable management	SYMPOSIUM Conservation planning for ecological connectivity at landscape, regional & continental scales	OPEN FORUM	SYMPOSIUM Reproductive ecology of native and invasive plants	SYMPOSIUM Australasian peatlands: past, present and future	OPEN FORUM Mammals
<i>morning tea</i>						
10:30-12:30	(cont.)	(cont.)	OPEN FORUM Conservation Planning	(cont.)	(cont.)	OPEN FORUM Animals
<i>lunch 12:30-2:00</i>	ANNUAL GENERAL MEETING					
2:00-3:30	SYMPOSIUM Managing profitable and biodiverse production systems: linking policy research and practice	SYMPOSIUM The ecology of salinity: what do we really know	SYMPOSIUM Ecological thresholds in biodiversity conservation	OPEN FORUM Reproductive ecology of native and invasive plants	OPEN FORUM	OPEN FORUM Weeds
<i>afternoon tea</i>						
4:00-5:30	(cont)	(cont.)	(cont.)	OPEN FORUM Plants	SYMPOSIUM Ecology, economics and public policy of revegetation schemes as carbon sinks	OPEN FORUM
6:30-late	CONFERENCE DINNER - ECHIDNA GULLY					

Conference at-a-glance: WEDNESDAY, December 10

8:30-10:00	SYMPOSIUM Ecological functions and values of scattered native vegetation in managed landscapes	SYMPOSIUM Riverine Ecosystems: a multidisciplinary perspectives	SYMPOSIUM Human dimensions in ecology: institutions communities and landscapes	SYMPOSIUM Disturbance regimes and the ecology and evolution of plant persistence in the Australian environment	SYMPOSIUM Chemical Ecology: from process to application
morning tea					
10:30-12:00	(cont.)	(cont.)	SYMPOSIUM Ecological impact assessment: what role for science?	(cont.)	SYMPOSIUM Bugs, birds and bats: conservation biological control
lunch 12:00-12:45 lunch 12:45-1:30					
1:30-3:30	OPEN FORUM Data for Conservation	OPEN FORUM Mammals	OPEN FORUM	OPEN FORUM Plant Ecology	
afternoon tea					
	Lazenby Hall				
4:00-5:00	Gold Medal Presentation				
5:00-5:30	Awards Ceremony Closing				

PROGRAM OF ORAL PRESENTATIONS

MONDAY AFTERNOON, December 8

	OPEN FORUM Woodlands	OPEN FORUM Disturbance	OPEN FORUM Birds	OPEN FORUM Plants	OPEN FORUM Mammals
<i>chair</i>					<i>Kim Downs</i>
2:00-2:15	Ecological processes causing the decline of woodland birds across southern Australia. H. Ford	*Guidelines for ecological restoration projects and inclusion of ecological restoration project in school science curriculum. C. Herden	*Changes in a frugivorous bird assemblage and rainforest seed dispersal in a fragmented landscape. C. Moran	*Host Specificity in Sarcantinae Orchids. K. Gowland	*Using small mammals to test ecological processes driving population and community responses to fire in nutrient poor environments. M. Kennedy
2:15-2:30	*Belah woodland of north west Victoria: distribution, regeneration and condition. K. Callister	*Restoring native woody cover to sand-mined sites in Bongil Bongil National Park - A transition threshold discovered? J. Cummings	*Foraging Behaviour of Small Insectivorous Birds in Response to Urbanization. P. Hodgson	*Stress indicators, due to salinity, in <i>Phragmites australis</i> : a long-term study. M. Greenwood	*Disturbance and the Hastings River Mouse: Landscape-scale processes and management of an endangered species. E. Tasker
2:30-2:45	*Restoration of Temperate Woodlands- Getting it right in CPW. P. Nichols	*Effect of fertilization on biomass and yield and composition of foliar essential oil of <i>E. radiata</i> subsp. <i>radiata</i> at Banalasta, northern NSW. A. Kar	*Translocation of the Endangered Eastern Bristlebird in south-east NSW. D. Bain	*An association between water source, leaf gas exchange and xylem hydraulic properties in three co-occurring Banksia species growing on a coastal sand plain. P. Drake	*Demographic shifts and changes in spacing behaviour in an outbreak population of mice. D. Sutherland
2:45-3:00	*Soil seed banks in remnant vegetation: the influence of fire and vegetation types on composition and germination. M. Keenan	*Herbivory limits seedling establishment in montane wet forests. M. Campbell	*Life on the edge – habitat requirements of the barking owl in south-eastern Australia. N. Schedvin	*Spatial Patterns of Snow Gum (<i>Eucalyptus pauciflora</i>) at the alpine tree line in south-eastern Australia. S. Cutler	*The dependence of Bettongia penicillata (brush-tailed bettong) on hypogean fungi in the Venus Bay Conservation Park, Eyre Peninsula. J. Lee
3:00-3:15	Temporal comparison of bird assemblages in forest fragments in Gippsland. W. Wright	*Herbivore damage along a latitudinal gradient: Relative impacts of different feeding guilds. N. Andrew	*Detectability of the Southern Boobook (<i>Ninox novaeseelandiae</i>) in relation to season, moon phase and weather conditions. B. Stone	*Environmentally induced variation in leaf morphology in <i>Pelargonium australe</i> (Geraniaceae): Links between morphology, anatomy and aspects of physiology. J. Hermes	*Sexual segregation in a tropical macropod, the antilopine wallaroo (<i>Macropus antilopinus</i>). E. Ritchie
3:15-3:30	Ecosystem Service Thresholds in a Re-vegetated Landscape. A. Langston	*Effects of drought on dry rainforest species on two contrasting soils: a test of the edaphic compensation hypothesis. T. Curran	*Ecosystem robustness in the face of species loss: data from a forest avifauna. F. Scarff	*How does leaf shape relate to temperature? A multi-species study of leaves in the Proteaceae. A. Leigh	*The influence of resource availability on the social and mating systems of bobucks (<i>Trichosurus caninus</i>). J. Martin
3:30-3:45	Broken sticks, bent cables and ecological thresholds. V. Debuse	*Survivors! Effects of drought and defoliation on five contrasting perennial grass species. N. Bruce	*Invasive Bitou Bush alters the bird community of coastal vegetation. C. Gosper	*Aspects of the reproductive ecology and seedling establishment of <i>Banksia aemula</i> . J. Waldron	*Social and sexual behaviour of the yellow-bellied glider (<i>Petaurus australis</i>) in south-western Victoria. M. Brown
3:45-4:00	The resource value of native and exotic garden plants and their relative contribution to the diets of suburban nectarivores. K. French	*Before and after the fire: how seasonal conditions influence the germination response to fire. P. Thomas		*Flowering patterns in <i>Xanthorrhoea australis</i> . P. Curtis	*Multiple mothers: evidence for age and mass related changes in reproductive output in possums. J. Isaac

TUESDAY EARLY MORNING, December 9

	SYMPOSIUM Woodlands and their sustainable management	SYMPOSIUM Conservation planning for ecological connectivity at landscape, regional and continental scales	OPEN FORUM	SYMPOSIUM Reproductive ecology of native and invasive plants	SYMPOSIUM Australasian peatlands: past, present and future	OPEN FORUM- Mammals
<i>chair</i>	<i>Chris Nadolny</i>	<i>Harry Recher</i>		<i>Caroline Gross</i>	<i>Kerry Bridle</i>	
8:30-8:45	Where are the jewels in the crown? Vegetation condition benchmarks for widespread woodland types in Central West New South Wales. P. Gibbons	WildCountry - an overview. B. Mackey	The Global Millennium Ecosystem Assessment. A. Beattie	*The mechanism of self-sterility in <i>Bulbine bulbosa</i> : self-incompatibility or inbreeding depression. K. Owen	Marcasite in Holocene coastal floodplain peats: Its occurrence and significance. R. Bush	*Rock on! Ecological consequences of pebble-mounds F. Ford
8:45-9:00	Evidence suggesting that Chilean Needle Grass threatens the sustainability of the endangered Cumberland Plain Woodland. E. Ens	Comparison of connectivity between North America and Australia. M. Soulé	*Patterns and rates of Land Cover change in Colombian Ecosystems (1940-2000). A. Etter	Inbreeding avoidance maintains gender dimorphism in <i>Wurmbea dioica</i> (Colchicaceae). M. Ramsey	*Oxidation and Acidification of Peat Acid Sulfate Soils. S. Allery	*Detoxification constraints as a limit to feeding. K. Marsh
9:00-9:15	*Environmental Correlates and Associations of Tuart (<i>Eucalyptus gomphocephala</i>) Decline. T. Edwards	Regenerating landscapes: energy, earth, air and water. J. Williams	Amazon birds and their response to roads, highways and large clearings. S. Laurance	Harsh environments favour gender dimorphism in <i>Wurmbea biglandulosa</i> (Colchicaceae). G. Vaughton	Fires and their implications for acidic peatlands northeastern NSW. J. Parr	*Frequency of torpor in sugar gliders (<i>Petaurus breviceps</i>): foraging difficulties or winter food shortages? N. Christian
9:15-9:30	*Effects of repeated applications of low doses of 2,4-D and glyphosate on young eucalypts in a field trial. V. Banks	Putting processes in to conservation planning. H. Possingham	Estimating rainforest canopy connectivity across highways in the Wet Tropics World Heritage Area. D. Gillieson	Does dust inhibit reproduction in roadside populations of <i>Grevillea lavandulacea</i> ? S. Carthew	Chronology and Palaeoecology of an acidic wetland peat northeastern NSW. K. Taffs	*Thermoregulation during day-roosting by Australian long-eared bats, <i>Nyctophilus geoffroyi</i> and <i>N. gouldi</i> : advantages of thermally unstable roosts to energy expenditure. C. Turbill
9:30-9:45	*Do Experts Know Anything About Birds and Grazing? A Bayesian Approach Using Expert Opinion. T. Martin	Biodiversity conservation in northern Australia - the need for extensive linkages between reserves. J. Woinarski	Plant-animal interactions in rainforest restoration. J. Kanowski	*Reproduction on top- canopy trees and the birds and the bees. S. Boulter	Accelerated peat formation in upland lakes of northern New South Wales. R. Haworth	*Vertical stratification of insectivorous bats in harvested forests: The effects of logging history, vegetation structure and insect abundance. M. Adams
9:45-10:00	Integrating biodiversity conservation and agricultural production in a degraded landscape. P. Spark	*Evidence for the Balance of Nature: From a Guild of Forest Inhabiting Ground Feeding Birds. S. Gilmore	Monitoring attributes for hollow-nesting birds of production forests. A. Smyth	*Measuring Interplant Variation in <i>Grevillea macleayana</i> (Proteaceae) Nectar Production. S. Lloyd	*Using sediment archives to reconstruct a post-colonial environmental history of metal pollution and land-use changes around Queenstown, Tasmania. S. Keele	*Tree roost characteristics determine use by <i>Tadarida australis</i> (Microchiroptera, Molossidae) in suburban Brisbane. M. Rhodes

TUESDAY LATE MORNING, December 9

	(cont.) Woodlands and their sustainable management	(cont.) Conservation planning for ecological connectivity at landscape, regional and continental scales	OPEN FORUM Conservation Planning	(cont.) Reproductive ecology of native and invasive plants	(cont.) Australasian peatlands: past, present and future	OPEN FORUM Animals
venue	Chris Nadolny	Harry Recher		Caroline Gross	Jeff Parr	
10:30-10:45	Effects of European colonisation on indigenous ecosystems: stand structure of pre- and post-settlement <i>Callitris - Eucalyptus</i> woodlands. I. Lunt	Implementing Wild Country in Northern Australia. B. Traill	*Methods for testing biodiversity surrogates for regional conservation planning. H. Grantham	*Native pollinators of native parsnips - insect visitation to <i>Trachymene incisa</i> in the absence of introduced honeybees. Y. Davila	Post-fire monitoring and recovery strategy testing of sub-alpine Sphagnum –shrub bogs. G. Hope	*Management of Wildlife using Repellents: Movement of Red-necked Wallabies (<i>Macropus rufogriseus banksianus</i>) through a Scent Barrier. C. Gibson
10:45-11:00	*The effects of grazing management on native grassland and grassy woodland in the Northern Midlands, Tasmania. S. Leonard	Practical approaches to regional scale connectivity: Gondwana Link and Nature Links. R. Hobbs	Connectivity' shouldn't be isolated! Defragging the analysis of habitat functionality. M. Drielsma	*Seed size, germination and seedling growth of Australian species of the desert and halophytic plant genus <i>Frankenia</i> . L. Easton	*Sphagnum-dominated peatlands in the highlands of Vic: floristic patterns across the region & the factors responsible. J. Shannon	*Effects of tourism on Australian sea lions (<i>Neophoca cinerea</i>) at Seal Bay Conservation Park, South Australia. A. Terijo
11:00-11:15	*Grassy woodlands in the New England Tableland Bioregion: Effects of fire season and fire intensity on shrub seedling emergence and survival. K. Knox	Social and economic dimensions to WildCountry. V. Young	Conservation planning for biodiversity processes: five ways of keeping time in space. Bob Pressey	*Indehiscence in the shrubs <i>Kunzea rupestris</i> , <i>K. capitata</i> & associated putative hybrids: new understanding of dormancy, germination & dispersal for the Myrtaceae. D. Tierney	*Crossing the FBT (Fen-Bog Transition zone) - When is an ecological engineer a prerequisite? T. Hodges	*Conservation biology of the Giant Burrowing Frog: habitat use in a modified environment. A. Stauber
11:15-11:30	*Determining appropriate fire frequencies for Cumberland Plain Woodland, an endangered grassy woodland ecosystem in Western Sydney. P. Watson	PANEL AND OPEN DISCUSSION	*Incorporating Socio-economic concerns into marine reserve planning. P. Morley	*Fire Ecology of the Endangered Perennial Herb <i>Stemmacantha australis</i> . G. Bramston	*The impact of fire on organic soils in West and South West Tasmania. M-B di Folco	*Effect of observer presence and handling on activity patterns in the sleepy lizard (<i>Tiliqua rugosa</i>): implications for behaviour studies. G. Kerr
11:30-11:45	*Impacts of repetitive burning in riparian habitats on bird assemblages in grazed open woodlands of north Queensland. L. Valentine	PANEL AND OPEN DISCUSSION	Market-based mechanisms for improved biodiversity conservation on private land. I. Oliver	Seed dispersal of invasive cadaghi (<i>Corymbia torelliana</i>) by stingless bees. S. Trueman	*Late Holocene vegetation history from a coastal peat in West New Britain, Papua New Guinea. L. Jago	*Mechanisms of coexistence in the sympatric lizards, <i>Ctenotus robustus</i> and <i>Ctenotus taeniolatus</i> (Scincidae). J. Taylor
11:45-12:00	Habitat as resource: modelling dynamics under revegetation. P. Vesk	PANEL AND OPEN DISCUSSION	Building Human Capacity in the Rangelands as a Route to Conservation. A. Hopkins	The invasive potential of <i>Pinus radiata</i> : seed production, dispersal and the role of fire. G. Wardle	Australian peat miners: burrowing crayfish in peatlands. A. Richardson	*Habitat fragmentation effects on beetle species in upland Australian Wet Tropics rainforest. P. Grimbacher
12:00-12:15	*Reconstructing Cumberland Plain Woodland community: Effects of pasture revegetation on seed removal by ants. B. Lomov	PANEL AND OPEN DISCUSSION	Mapping future landscapes in the NSW sheep-wheat belt: putting policy proposals to the test. M. Bedward	Secondary seed dispersal in a high mountain community. C. Castor	*The nature of the edaphic influence on vegetation succession in Tasmania. E. Rumpff	Seasonality, dung specificity and competition in dung beetle assemblages in the Australian Wet Tropics, northeastern Australia. K. Vernes
12:15-12:30	Understorey restoration in grassy White Box woodlands. S. Prober	PANEL AND OPEN DISCUSSION	Decision Points for Land and Water Futures. M. Dunlop	*How not to recruit perennial grasses: the role of abiotic and biotic factors in the recruitment of invasive annuals and native perennial grasses in a South Australian grassland. T. Lenz	The impact of fire on an eastern buttongrass moorland, Central Plateau, Tasmania. J. Balmer	Variation in nesting success in Darwin's finches: why are old males better? S. Kleindorfer

TUESDAY EARLY AFTERNOON, December 9

	SYMPOSIUM Managing profitable and biodiverse production systems: linking policy, research and practice	SYMPOSIUM The ecology of salinity: what do we really know?	SYMPOSIUM Ecological thresholds in biodiversity conservation	OPEN FORUM Reproductive ecology of native and invasive plants	OPEN FORUM	OPEN FORUM Weeds
<i>chair</i>	<i>Jann Williams</i>	<i>Margaret Brock</i>	<i>Andrew Huggett</i>	<i>Caroline Gross</i>		
2:00-2:15	A PERFORMANCE that INDICATES ways for managing profitable and biodiverse production systems. D. Curtis* & J. Williams	Continuing Challenges in Salinity Management: Findings of the NDSP 1993-2003. R. Price	The concept and utility of 'ecological thresholds' in biodiversity conservation. A. Huggett	Dispersal and seed bank ecology of a riparian invader, balloon vine (<i>Cardiospermum grandiflorum</i>). G. Viviansmith	Tasmanian Blanket Bogs - A dry wetland environment. K. Bridle	*Bitou Bush Invasion Changes Coastal Ecosystem Processes. E. Lindsay
2:15-2:30	Shaping biodiverse production systems in collaboration with producers, consumers, and agricultural scientists: a view from Nth. America. L. Jackson	Salinity and terrestrial vegetation: are we asking the right questions? V. Cramer	Gap-crossing by gliding marsupials: thresholds for use of isolated woodland patches in an agricultural landscape. A. Bennett	Tree Recruitment in Riparian Zones - What Impact Weeds? F. Ede	*Homogenous landscapes or hotspots of biodiversity? Conflicting perceptions of farm dams in Australia. M. Brainwood	*Interactions between two biocontrol agents, a leafhopper and a rust fungus, attacking the environmental weed bridal creeper. P. Turner
2:30-2:45	*Biodiversity Loss and Slash-and-burn Agriculture: Underlying Causes and Essential Strategies for Conservation. H. Swarna Nantha	Current research and future directions for aquatic salinity: What are the crucial questions? D. Nielsen	*Investigating threshold responses for vertebrates: case studies from the Tumut Fragmentation "Natural Experiment". J. Fischer	*The capacity of lantana (<i>Lantana camara</i> L.) to displace subtropical rainforest along the lantana/rainforest interface. D. Stock	*Ground flora composition can be used as an 'alert system' in effluent irrigation. A. Sharma	Understanding the success of invasive plants: a leaf carbon strategy approach. V. Thomson
2:45-3:00	Challenges managing native vegetation in grain growing regions. M. Blumenthal	Ecological function the key to decision-making. Ecological function: the key for managing salinised aquatic systems? J. Davis	Bottlenecks and booms: management in response to environmental variability. T. Walshe	*Factors influencing patterns of shrub encroachment in species-rich Red Gum woodland. J. Price	*Impacts of simulated freshwater floods on an estuarine sponge. P. Barnes	Predicting invasiveness from plant traits: the role of disturbance type. M. Leishman
3:00-3:15	Integration of native biodiversity research in the Australian Cotton Industry. G. Roth	*Threshold or continuum: an experimental investigation into the effects of secondary salinity on benthic community dominance. L. Sim	Bird species richness in remnant woodlands in the Little River catchment, NSW: The importance of considering vegetation communities when defining ecological thresholds. J. Seddon	Geographical gradients in seed mass and the influence of climate. B. Murray	Mangroves as biological indicators of heavy metal contamination in estuarine systems. G. MacFarlane	Predicting high impact weeds from seedling growth responses to nutrient supply. G. Hastwell
3:15-3:30	Geospatial technologies for managing agricultural landscapes. Tony Norton	A framework for understanding salinity effects on frogs in south-eastern Australia. D. Hazell	*Thresholds for remnant size and isolation in relation to species diversity in a Southern Sydney Suburb. I. Drinnan	*Banksias are like sunflowers in 3-D. A. Renshaw	*Tidal wetland restoration: Spatial analysis of vegetation responses. J. Graham	Willows and Blackfish: a Weed of National Significance (WON) hosts a threatened species. M. Wilson

TUESDAY LATE AFTERNOON, December 9

	(cont.) Managing profitable and biodiverse production systems: linking policy, research and practice	(cont.) The ecology of salinity: what do we really know	(cont.) Ecological thresholds in biodiversity conservation	OPEN FORUM Plants	SYMPOSIUM Ecology, economics and public policy of revegetation schemes as carbon sinks	OPEN FORUM
<i>chair</i>	<i>Jann Williams</i>	<i>Richard Hobbs</i>	<i>Andrew Huggett</i>		<i>Michael Roderick</i>	
4:00-4:15	Holistic decision making and grazing management: looking after biodiversity and profits at 'Lana', Uralla, NSW. T. Wright	Salt Impact Model. B. Cant	Landscape level thresholds in habitat cover for woodland bird diversity: empirical evidence for an effect of habitat configuration. J. Radford	*The determinants of vegetation pattern in Australian sub-tropical rainforests. M. Laidlaw	Carbon trading in an uncertain policy environment. L. Drolz	The impact of cane toads on native frogs along the Roper River, NT. H. McCallum
4:15-4:30	The challenge of integrating conservation and economic production objectives on private grazing lands – Insights from the grassy woodlands of southern Queensland. N. MacLeod	*A framework for evaluating the effect of increased salinity on freshwater biota. B. Kefford	The quest for landscape thresholds in southern Queensland. C. Chilcott	*A population viability analysis for a vulnerable plant: <i>Leionema ralstonii</i> (F.Muell.). J. Potts	Salinity and greenhouse: intertwined natural resource management problems, intertwined solutions. R. Harper	Effects of brown trout in food webs of small streams in Tasmania. L. Barmuta
4:30-4:45	Meeting biodiversity and financial goals on wool properties in Victoria. J. Dorrrough	*Interactive effects of salinity and water regime on the performance of <i>Melaleuca ericifolia</i> Smith, the swamp paperbark. J. Salter	Beetles over the threshold. How many survive 90% habitat loss? D. Driscoll	*Timber harvesting as a factor influencing cryptophyte abundance and composition in the northern Jarrah forest of Western Australia. C. Slee	Carbon sequestration predictor for revegetation schemes in lower rainfall areas of NSW. K. Montagu	*Effects of colony size on the invasion of the Argentine ant (Hymenoptera: Formicidae): implications for biotic resistance by native ants. A. Walters
4:45-5:00	Land use conservatism results in conservation of grassy ecosystems used for sheep grazing. J. Kirkpatrick	Effect of increasing salinity on an intermittent floodplain wetland - water chemistry, macrophytes and diatoms. K. James	Thresholds: arbitrary or statistically valid? D. Freudenberger	*Steeper rootedness is co-ordinated with drought resistant leaves, but does not differ between high or low rainfall. H. Morgan	Ecology and physiology of vegetation thickening. S. Berry	Competitive interactions of <i>Solenopsis invicta</i> with selected native ant species. S. Marsden
5:00-5:15	*Intersecting policy, research and practice in the Oil Mallee Project. S. Bell	Acute effects of salt on sediment biogeochemistry and microbial community structure. G. Rees	When too much grazing is clearly enough – floristic thresholds for jarrah and wandoo remnants. M. Strawbridge	*Does the level of genetic variation and structuring influence the distribution and abundance of <i>Persoonias</i> (Proteaceae)? P. Rymer	Carbon Accounting: Beyond the Current Kyoto Paradigm. C. Mitchell	*Morphological dispersion of spatially nested assemblages of <i>Rhytidoponera</i> (Formicidae: Hymenoptera), Sturt National Park, Australia. D. Nipperess
5:15-5:30	Incorporating commercial products into revegetation and adapting farm forestry to increase biodiversity. D. Carr	*SALternative land uses: Impacts of using saline mine waste water to irrigate trees on coal mine overburden in the Upper Hunter Valley, NSW. A. Joyce	Thresholds of resilience: The Soft Tree-fern (<i>Dicksonia antarctica</i> Labill.) in a forest production landscape in Tasmania. R. Peacock	*Conservation genetics of the nationally endangered mound spring endemic plant, Salt Pipewort (<i>Eriocaulon carsonii</i>)(Eriocaulaceae). R. Davies	OPEN DISCUSSION	*Do preferences for thermal or structural environment dictate assemblage structure in lizards? B. Mott

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<i>chair</i>	<i>Brian Wilson</i>	<i>Craig Miller</i>	<i>David Brunchorst</i>	<i>Peter Clarke</i>	<i>Peter Gregg</i>
8:30-8:45	The importance of Paddock Trees for regional conservation in agricultural landscape. M. Boak	River Hydrology: Quantifying Droughts and Connectivity. M. Stewardson	People and their frameworks of environmental practice: a case study of two contrasting landscapes. A. Wardell-Johnson	*Seed bank dynamics in an arid zone saline wetland. J. Porter	New developments in chemical ecology and insect pest management. P. Gregg
8:45-9:00	Quantifying the production and biodiversity values of trees in grazing systems in southern Queensland. W. McGrath	Effects of regulation on the wetland inundation regime of the Murrumbidgee River, NSW. P. Frazier	A botanical perspective on landscape as heritage: a case study in the Mangkuma Land Trust, Cape York. G. Wardell-Johnson	*Addressing the Seeds of Uncertainty: The Demographic Role of the Soil-Stored Seed Bank in Genus <i>Persoonia</i> . D. McKenna	Learning, odour preferences and flower foraging in moths. P. Cunningham
9:00-9:15	*Isolated trees: their role in improving conservation value of matrix habitats. A perspective based on the study of Mexican ant communities. A. Gove	How (dis)connected are our landscapes? Ecological implications of geomorphic coupling and sedimentary cascades in Australian river systems. G. Brierley	Making Aboriginal views count in water management planning in central western NSW. R. Molsher	Detecting plant species richness in a long unburnt endangered plant community: seeds, bulbs and rhizomes that hide in the soil. Tony Auld	*A little bit on the side - the failure of mating disruption to control <i>Helicoverpa armigera</i> (Lepidoptera: Noctuidae) in tomato and capsicum crops. D. Britton
9:15-9:30	Ecosystem wicks: woodland trees enhance water flow in fragmented agricultural landscapes. D. Eldridge	Geomorphic changes to catchments and rivers in eastern Australia over the last 200 years: causes, implications, and the future. A. Brooks	*Linking decision making scales for improved natural resource management. A. Vagg	Surviving by staying put – persistent herbs in western Sydney's woodland. J. Howell	Role of foliar chemistry in avoidance of a putative hybrid eucalypt by <i>Mnesampela privata</i> : implications for breeding. M. Steinbauer
9:30-9:45	Variation in wolf spider abundance in relation to the size and shape of woodland remnants. R. Major	Large woody debris character and habitat scale hydraulics in the River Murray. V. Hughes	*Using the arts to create an ecological ethic. D. Curtis	Does post-fire herbivory decline with distance from an unburned edge? R. Whelan	*Characterising resistance to insect defoliation in <i>Eucalyptus grandis</i> . M. Henery
9:45-10:00	Crop killers? The Possible Impact of Paddock Trees on Wheat Production. D. Freudenberger	Geomorphology and fish habitat use in a large dryland river. C. Boys	VACANT	Do small plots adequately describe the effects of fire frequency on plant diversity in native grasslands? J. Morgan	*Nutritional quality affects choice by predators in feeding preference experiments. A. Watson

WEDNESDAY LATE MORNING, December 10

	(cont.) Ecological functions and values of scattered native vegetation in managed landscapes	(cont) Riverine Ecosystems: a multidisciplinary perspective	SYMPOSIUM Ecological impact assessment: what role for science?	(cont.) Disturbance regimes and the ecology and evolution of plant persistence in the Australian environment	SYMPOSIUM Bugs, birds and bats: conservation biological control
<i>chair</i>	<i>David Eldridge</i>	<i>Craig Miller</i>	<i>Louisa Mamouney</i>	<i>Peter Clarke</i>	<i>Sarah Mansfield</i>
10:30-10:45	Scattered paddock trees, soil chemistry and landscape management. B. R. Wilson	Experimental fish habitat rehabilitation in a coastal NSW river. Bob Creese	*Effect of experimental trampling on alpine and subalpine vegetation in Kosciuszko National Park. A. Growcock	Recovery of alpine vegetation from grazing and drought as shown by data from long-term photoquadrats in Kosciuszko National Park. C. Pickering	Silent But Deadly - Bats As predators Over Cotton Crops. T. Staines
10:45-11:00	When does nutrient accumulation under trees increase productivity? J. Facelli	*Using neural networks and GIS to predict the spatial occurrence of freshwater fish and decapods. M. Joy	A Sink or a Source?: The Grey-headed Flying-fox, <i>Pteropus poliocephalus</i> at an Urban Colony Site. K. Parry-Jones	*Habitat differentiation in open forest understoreys: Investigating the scarcity of shrubs in grassy open forests. K. Wills	*Insectivorous bats, irrigated cotton, native vegetation remnants and intensive production landscapes. L. MacKinnon
11:00-11:15	*Mistletoes in rural environments: does landscape structure influence distribution? L. MacRaid	Potential of high spectral and high spatial resolution sensors for wetland vegetation health and condition mapping. L. Kumar	*Can conservation learn from medicine about bridging the gap between scientists and practitioners? I. Fazey	Landscape patterns of plant persistence in response to fire. P. Clarke	Value-adding. The relationship between native trees and populations of beneficial insects on cotton farms. Tish Silberbauer
11:15-11:30	*Historical land-use impacts on roadside vegetation condition in woodlands of southern NSW. P. Spooner	*A day in the life of a tropical aquatic monitor lizard. P. Mayes	Application of no net adverse ecological impact concept to the Kuranda Range Road Upgrade. S. Turton	Grasstree resprouting: questioning the obvious conclusion. D. Korczynskij	Detection of predation on <i>Helicoverpa armigera</i> in Australian cotton crops using ELISA. S. Mansfield
11:30-11:45	Avifauna of retained vegetation corridors: a pre- and post-logging comparison. M. MacDonald	Scaling up from points to catchments: Assessing riparian condition. A. Jansen	The utility of ten road structures along the F3 Freeway as fauna underpasses. A. Finegan	Fire, fertility and vegetation boundaries. L. Hughes	Ecology of <i>Helicoverpa spp.</i> (Noctuidae) and their parasitoids, in relation to the use of transgenic cotton and associated refuges crops. G. Baker
11:45-12:00	*The contribution of bird communities to ecological services in agricultural lands surrounding Brigalow remnants. S. Collard	*Optimising restoration of <i>Casuarina cunninghamiana</i> woodlands in river floodplains in the Central Tablelands of New South Wales. J. Graftdyk	*Rehabilitation index and monitoring protocol for evaluating the success of rehabilitated disturbed areas. S. Thompson	Arid land vegetation dynamics after a rare flooding event: influence of fire and grazing. S. Florentine	*Regulation of outbreking populations of <i>Creiis lituratus</i> . Froggat (Hemiptera: Psyllidae) in <i>Eucalyptus dunnii</i> plantations. P. Angel

WEDNESDAY EARLY AFTERNOON December 10

	OPEN FORUM Data for Conservation	OPEN FORUM Mammals	OPEN FORUM	OPEN FORUM Plant Ecology
<i>chair</i>				
1:30-1:45	Inter-annual Rainfall Variability of Arid Australia – Greater than Elsewhere? E. van Etten	Kangaroo grazing and rangeland condition in arid NSW. A. Denham	Does the effect of leaf shape on leaf temperature influence carbon gain and water use? A. Nicotra	Remnant vegetation – how to define it and what does it mean ecologically? B. A. Wilson
1:45-2:00	Collecting data for modelling and evaluation. J. Elith	Arid Recovery - restoration of arid land. B. Hill	Leaf and environmental attributes influence heat damage in sclerophylls. P. Groom	The Influence of Very Large Trees on the Distribution of Smaller Trees in the Rainforests of North Queensland. D. Hilbert
2:00-2:15	Biodiversity monitoring: Impossible dream or future reality? C. James	Experimental manipulation of habitat structure: a retrogression of the small mammal succession. B. Fox	I feel like Toona tonight: feeding preferences of <i>Hypsipyla robusta</i> . S. Cunningham	Rainforest stand dynamics and diversity was related to disturbance intensity over 35 years. G. Smith
2:15-2:30	Using Life History Characters from the Australian Angiosperms to Examine Patterns in Recently Extinct and Endangered Australian Plants. C. Gross	Can outbreaks of house mice in southeastern Australia be predicted by weather models? C. Krebs	Role of nutrients and zooplankton grazing on phytoplankton growth in a temperate reservoir in New South Wales, Australia. T. Kobayashi	Distribution and Status of the Vine Thickets of the Brigalow Belt Bioregion. Bill McDonald
2:30-2:45	Modifying policy and practice to improve the strategic value of regional lists of threatened plants: a case study from Cape York Peninsula. J. Landsberg	Population dynamics of the brush-tailed rock-wallaby in the Hunter Valley, NSW. C. Rummery	Conflicting Plankton Models. B. Sanderson	The influence of fire and rainfall upon seedling recruitment in sand mass (wallum) heathland of north-eastern New South Wales. S. Griffith
2:45-3:00	Do canopy and full floristic data show the same species composition patterns? L. Holman	Roost switching, roost sharing and social cohesion: Forest-dwelling big brown bats (<i>Eptesicus fuscus</i>) conform to the fission-fusion model. M. Brigham	Drivers of Aquatic Biodiversity in the Lake Eyre Basin: hydrology and other environmental factors. J. Reid	Effect of drought and fire on alpine and subalpine vegetation in Kosciuszko National Park: Severity of initial impact. W. Hill
3:00-3:15	Preliminary comparisons of four Tasmanian vegetation types using vascular plant, bryophyte and macrofungal data. S. McMullan-Fisher	One size fits all? Fauna use of road underpasses in northern NSW. L. Gibson	Sulfidic materials in the River Murray floodplain: An emerging issue for the management of saline wetlands. S. Lamontagne	During the fire: combined effects of heat shock and smoke on germination. C. Morris
3:15-3:30	Genetic diversity, population structure and the current cancer epidemic in Tasmanian devils. M. Jones	Relative horn and body growth in bighorn rams vary with resource availability. M. Festa-Bianchet	Geochemical aspects of sulfate salinity in the waterways of the Murray-Darling Basin. L. Sullivan	Effect of spatial scale in post-fire heathland succession. T. Wills