

Curriculum vitae – Andrea L. Wilson

Date of Birth: 16th March, 1969

Address: Charles Sturt University
School of Environmental Sciences
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Other Affiliations: Institute for Land Water and Society, CSU

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Academic qualifications

1997 - Bachelor of Applied Science (Environmental Science) (CSU)
1998 – Bachelor of Applied Science (Environmental Science) Honours Class 1
2003 – Doctor of Philosophy (CSU)
2006 - Graduate Certificate in University Teaching & Learning (CSU)

Employment

1997-1998	NSW Agriculture	Rice research assistant in entomology (crop protection and ecotoxicology)
2002	Johnstone Research Centre in Natural Resources and Society	Research project - Understanding landholder management of river frontages in the Goulburn Broken River catchment (landholder liaison, riparian assessments, report author)
2002	Natural Heritage Trust grant	Author of Sandy Creek Land and Water Management Study – resource for landholders
2003 - present	Charles Sturt University	Lecturer in ecology for internal & distance students. Research in river restoration & management; reptile & fire ecology; malleefowl conservation, pest management

Awards

1998 - Charles Sturt University Medal
2002 - Vice-Chancellors Research Excellence Team Award

Grants & consultancies

Land & Water Australia – Development of a Postgraduate Certificate in River Restoration and Management, 2002-2003 (Watts, Wilson, Page, Eberbach)

CSU Postgraduate Writing Up Award, 2003 – Publication of 'Wilson AL, Ryder DS, Watts RJ and Stevens MM. (2005) Stable isotope analysis of aquatic invertebrate communities in irrigated rice fields cultivated under different management regimes. *Aquatic Ecology*, 39: 189-200'. (Wilson)

Johnstone Centre (CSU) - Monitoring stream restoration in a highly degraded reach of Umbango Creek, 2003 (Wilson)

CSU Small Grant - Raising the Titanic? Remediation in highly degraded stream reaches, 2004 (Wilson)

Johnstone Centre (CSU) - An evaluation of post-fire reptile populations in the Matakana Mallee region, 2005 (Wilson & Sass)

CSU Linkage Grant Development Scheme - Integrating spatial science and landscape ecology to improve management of feral cat populations in Yathong and Nombinnie Nature Reserves, 2005 (Wilson, Dehaan, Wassens)

CSU Publication Assistance Grant, 2005 – Preparation and submission of 'Riparian zone condition in the Goulburn Broken catchment: A comparison of assessments by landholders and scientists. A. Wilson, A. Jansen, A. Curtis and A. Robertson'. (Wilson)

CSU Small Grant – Post-release survival of captive bred malleefowl in Yathong Nature Reserve, 2006 (Dehaan, Wassens, Wilson)

Murray-Darling Basin Commission, River Murray Water - Responses of biofilms to cyclic releases during a low flow period in the Mitta Mitta River, Victoria, 2006 (Watts, Ryder, Burns, Wilson, Nye, Dehaan, Zander,)

Murrumbidgee Catchment Management Authority – Ecological responses of aquatic communities to a managed wetland flooding event, Hay, NSW, 2006-2008 (Watts , Wilson)

CSU Competitive Grant – Measuring the benefits of environmental water allocations: turtles in a fragmented landscape 2007 (Wilson, Dehaan, Kopf)

NSW Department of Environment and Conservation – Monitoring mouse populations on Montague Island 2007 (Wilson, Klomp)

Postgraduate student supervision

2005 Masters - Cathy Car (Spider diversity in southern NSW)

2005 Honours – Omar Arnaiz (Riparian condition effects on aquatic macroinvertebrates)

2005 Honours – Steven Sass (Reptile communities in a fragmented landscape)

2006 Honours – Chris Coombes (Post-release survival of captive bred malleefowl)

2006 Honours – Sascha Healy (Response of macroinvertebrates to inundation alteration)

2006 PhD - Cathy Car (Millipede communities in south-eastern Australia)

2007 Honours – Frances Cory (Monitoring mice populations on Montague Island)

Committees & societies

Organising Committee member – 5th Australian Stream Management Conference, 2007

Australian Society for Limnology, Member 1999 - present

Ecological Society of Australia, Member 2004 – present

Other Qualifications

Australian Red Cross Intermediate First Aid Certificate

General scientific permits

Driving licence - car

Refereed publications

- Wilson AL**, Watts RJ, Page KJ and Dehaan, R (2007) Monitoring of remediation works to arrest stream degradation in an agriculture-dominated catchment. In Wilson, AL, Dehaan, RL, Watts, RJ, Page, KJ, Bowmer, KH, and Curtis, A (eds.). *Proceedings of the 5th Australian Stream Management Conference. Australian rivers: making a difference*, 21-25 May 2007, Thurgoona, New South Wales.
- Dehaan R, Louis J, **Wilson A**, Hall A, and Rumbachs R (2007) Discrimination of blackberry (*Rubus fruticosus* sp. agg.) using hyperspectral imagery in Kosciuszko National Park, NSW, Australia. *Journal of Photogrammetry & Remote Sensing*, 62(1): 13-24.
- Jansen A, Robertson A, Thompson L, **Wilson A** and Watts, R (2007) Rapid appraisal of riparian condition. Technical Guideline for the wool-growing districts of Tasmania, Land & Water Australia, Canberra.
- Sass S and **Wilson A** (2006) Effects of fire on lizard communities in the mallee shrublands of western New South Wales. *Herpetofauna* (36) 2: 106-111.
- Wilson A**, Jansen A, Curtis A and Robertson A (2006) Measuring riparian condition: a comparison of assessments by landholders and scientists. *Ecological Management & Restoration*, 7(2): 123-129.
- Jansen A, Robertson A, Thompson L, **Wilson A** and Nicholls, K (2006) Rapid appraisal of riparian condition. Technical Guideline for the mid north of South Australia, Land & Water Australia, Canberra.
- Jansen A, Robertson A, Thompson L and **Wilson A** (2005) *Rapid appraisal of riparian condition. Version 2. River and Riparian Management*. Technical Guideline No.4a, Land & Water Australia, Canberra.
- Wilson AL**, Ryder DS, Watts RJ and Stevens MM. (2005) Stable isotope analysis of aquatic invertebrate communities in irrigated rice fields cultivated under different management regimes. *Aquatic Ecology*, 39: 189-200.
- Watts RJ and **Wilson AL** (2004) Triage: Appropriate for prioritising community funded river restoration projects, but not for advancing the science of river restoration. *Ecological Management & Restoration* 5 (1): 73-75.
- Wilson AL**, Stevens MM and Watts RJ (2000) Acute and chronic toxicity of the herbicide benzofenap (Taipan 300) to *Chironomus tepperi* Skuse (Diptera:Chironomidae) and *Isidorella newcombi* (Adams and Angus) (Gastropoda:Planorbidae). *Archives of Environmental Contamination and Toxicology* 38:176-181

Reports, conference presentations & abstracts

- Wilson, AL**, Watts, RJ, Page, KJ & Dehaan, R (2006) Assessing remediation works in a severely degraded river reach of Umbango Creek, New South Wales. *Australian Society for Limnology 2006*, 25-29 September, Albury.
- Watts R J, Ryder D S, Burns A, **Wilson A L**, Nye E R, Zander A & Dehaan R (2006) *Responses of biofilms to cyclic releases during a low flow period in the Mitta Mitta River, Victoria, Australia*. Report to the Murray Darling Basin Commission. Institute for Land Water and Society Report Number 24, Charles Sturt University, Wagga Wagga, NSW.
- Coombes, C, Dehaan, R, Wassens, S & **Wilson, A** (2006) Post-release survival of captive-bred malleefowl in western New South Wales. *Ecology Across The Tasman – Third Joint Conference of New Zealand Ecological Society and Ecological Society of Australia*, 28 August – 1 September, Wellington.
- Wilson, AL**, Watts, RJ & Page, KJ (2005) Assessing remediation works in a severely degraded river reach of Umbango Creek, New South Wales. *International Riversymposium 2005*, 6-9 September, Brisbane.
- Wilson A**, Jansen A, Curtis A & Robertson A (2004) *Connecting with communities by understanding landholder management of riparian zones in the Goulburn Broken catchment*. RIPRAP newsletter, Land & Water Australia, Canberra.

- Wilson, A**, Watts R, Stevens M & Ryder D (2004) Aquatic biodiversity in rice fields. New directions in agroecology: productivity & sustainability, 29 August - 3 September, Mildura, Victoria.
- Wilson AL**, Jansen A, Curtis A and Robertson A (2004) Understanding landholder management of riparian zones in the Goulburn Broken Catchment. *Proceedings of the 4th Stream Management Conference*, 19-22 October, 2004, Launceston, Tasmania.
- Stevens, MM & **Wilson, AL** (2004) Selective control of chironomids and the preservation of biodiversity in Australian rice crops. *XXII International Congress of Entomology*, 15-21 August, Brisbane.
- Wilson, AL**, Ryder, DS, Stevens, MM & Watts, RJ (2003) Aquatic biodiversity in rice fields. Biodiversity in the Basin Conference, 13 November, Charles Sturt University, Albury.
- Wilson AL**, Jansen A, Curtis A and Robertson A (2003) Understanding landholder management of riparian zones in the Goulburn Broken Catchment. *River & catchment health. Presenting current research in the Goulburn Broken Catchment*, 5 August, 2003, Melbourne University, Dookie Campus, Victoria.
- Wilson AL**, Jansen A, Curtis A and Robertson A (2003) *Understanding landholder management of river frontages in the Goulburn Broken River catchment*. Johnstone Centre Report No. 177, Johnstone Centre, CSU, Wagga Wagga, NSW.
- Wilson AL**, Wassens S and Wood H (2002) *Sandy Creek Landholder's Land and Water Management Plan*. Landholder's resource prepared for Uranquinty Landcare group.
- Wilson, AL**, Stevens, MM & Watts, RJ (2001) Influence of organic and conventional farming practices on invertebrate biodiversity in establishing rice crops. *Societas Internationalis Limnologiae XXVIII Congress*, Monash University, Melbourne (Abstracts on CD, unpaginated).
- Wilson, AL**, Ryder, DS, Stevens, MM & Watts, RJ (2001) The impact of pesticides on aquatic foodwebs in Australian ricefields. *British Ecological Society Winter and Annual General Meeting*, Birmingham, UK. Abstracts: 23.