

Dr Greg Baxter



Senior Lecturer in Natural Systems

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General Interests

Bushwalking, reading, creative writing, photography

Professional Qualifications

1992

Doctor of Philosophy, in Ecology
Macquarie University
Sydney, NSW
Thesis Title: The Ecology and Conservation of Egrets

1978

Bachelor of Natural Resources (Hons)
University of New England
Armidale, NSW

Professional Affiliations

Member Australasian Wildlife Management Society

Member The Wildlife Society & Oceania representative on
Wildlife Society Global Involvement Task Force.

Member Ecological Society of Australia

Member Waterbirds Society

Member Ecology Centre, University of Queensland

Honorary Scientific Advisor to the Cat Ba Langur Project, Cat Ba Island, Vietnam

Member PowerLink 'Green Works' program Scientific Advisory Committee

Professional Experience

1981 - 1982

Botanist/Biologist
Resource Planning Pty Ltd
Belmont, NSW

1982 - 1986

Project Officer
Community Youth Support Scheme (CYSS)

1987 - 1991

Postgraduate Student
Macquarie University
North Ryde, NSW

1991 - Current

Lecturer in Natural Systems Management
University of Queensland
Gatton Campus, QLD

Major Responsibilities:

Preparation, delivery and assessment of subjects in Wildlife Management, Wildlife Biology, Ecology, Protected Area Field Skills and Wildlife Interpretation to Degree and Associate Degree Students
Conduct field excursions in the above areas
Conduct research into the ecology and management of native and introduced vertebrates

PART TIME WORK

1987 - 1988

Part Time Tutor
Environmental Studies
Macquarie University
Sydney, NSW

1988

Consultant
Shortland Wetlands Centre
Newcastle, NSW

1991

Lecturer in Biology
Faculty of Applied Science
The University of Newcastle, NSW

1995 - Current

Senior Lecturer in Natural Systems Management.
University of Queensland, Gatton.

Papers Presented

Major Presentations

2007

G.S. Baxter & M.J. Page. Writing “The Great Mistakes of Australian History” with Martin Crotty and David Roberts, Chaired by Raymond Evans. Brisbane Writers Festival. 10:00 am Sunday September 16th. State Library of Queensland, Brisbane.

2006

G.S. Baxter & D.M. Hoang. The ecology and conservation of the black-shanked douc langur in Vietnam. Presented to The Wildlife Society 13th Annual Conference, Anchorage Alaska, 23-27 September.

D.M. Hoang & G.S. Baxter. Distribution patterns of the black-shanked douc langur in Nui Chua National Park and Phuoc Binh Nature Reserve, Vietnam. Presented to 21st Congress of International Primatological Society, Entebbe, Uganda, June.

D.M. Hoang & G.S. Baxter. Feeding ecology of the black-shanked douc langur in Nui Chua National Park and Phuoc Binh Nature Reserve, Vietnam. Presented to 21st Congress of International Primatological Society, Entebbe, Uganda, June.

2004

Opportunities and Challenges of the International Wildlife Community: Views from Oceania. Presented to The Wildlife Society Annual Conference, September, Calgary Canada.

2003

Developing fire management plans for Fraser Island World Heritage Area. Presented to 3rd International Wildlife Management Congress, Christchurch, New Zealand.

1996

Trends, Training and Skills; Tertiary education of wildlife managers. Presented to Australasian Wildlife Management Society, Annual Conference, Canberra, ACT.

1993

The Management of Black-striped Wallabies in the Maranoa Region of Queensland Presented to the Australasian Wildlife Management Society Annual Conference. Melbourne, Victoria.

1993

Economic Growth and Environmental Management: Towards a Paradigm of Sustainable Development Presented to LIPI (Indonesian Academy of Sciences). Bogor, Indonesia.

1990

Interaction Between Egrets and Their Nest Site Vegetation Presented to the Ecological Society of Australia Biennial Symposium. Melbourne, Victoria

1988

Resource Partitioning in Four Species of Sympatric Egrets Presented to the Royal Australasian Ornithologists Union Annual Congress.
Newcastle, NSW

Community Involvement

2007–ongoing

Member Queensland Macropod Management Advisory Committee

2006-ongoing

Member Fraser Island World Heritage Area Scientific Advisory Committee advising on zoology

2000-2005

Chair Queensland Duck & Quail management Advisory Committee

1990 - 1995

Member Trees in Newcastle group

1989

Member Board of Directors of the Shortland Wetlands Centre

1989

Secretary Council of the Hunter Wetlands Trust

1987-1991

Member Council of the Hunter Wetlands Trust

Publications

Brady, M.J., **Baxter, G.S.**, Miller, C.J., McAlpine, C.A. & Possingham, H. *In Press* Mammal responses to matrix development intensity. *Austral Ecology*.

Brady, M.J., Miller, C.J., McAlpine, C.A. Possingham, H & **Baxter, G.S.** 2009. Landscape habitat quality along a matrix intensity gradient. *Landscape Ecology* 24, 879 – 891.

Hoang, M.D., **Baxter, G.S.** & Page, M.J. 2009. Diet of the Black-shanked Douc Langur in Southern Vietnam. *International Journal of Primatology* 30, 15-28.

[Finch, N., and **Baxter, G.S.** 2007. Oh deer, what can the matter be? Landholder attitudes to deer management in Queensland. *Wildlife Research*. 34, 211-217.](#)

Ishigame, G., and **Baxter, G.S.** 2007. Practice and attitudes of suburban and rural dwellers to feeding wild birds in Southeast Queensland, Australia. *Ornithological Science* 6, 11 -19.

- Campbell, KJ, **Baxter, GS**, Murray, PJ, Coblenz, BE, & Donlan, CJ. 2007. Development of a prolonged estrus effect for use in Judas goats. *Applied Animal Behaviour Science* 102, 12-23.
- Spencer, R.J., **Baxter, G.S.** 2006. Effects of fire on the structure and composition of open Eucalypt forest. *Austral Ecology* 31, 638-646.
- Page, M., & **Baxter, G.S.** 2006. A curse upon the land: foxes and cane toads. In: Crotty, M. & Roberts, D. (Eds). "The Great Mistakes of Australian History." University of New South Wales Press, Sydney.
- Ishigame, G, **Baxter, G.S.** & Lisle, A.T. 2006. Effects of artificial food on the blood chemistry of the Australian Magpie. *Austral Ecology* 31, 199-207.
- Campbell, KJ, **Baxter, GS**, Murray, PJ, Coblenz, BE, Donlan, CJ & Carrion G., V 2005, 'Increasing the efficacy of Judas goats by sterilisation and pregnancy termination', *Wildlife Research* 32, 737-43.
- Spencer, R.J., Cavanough, V. **Baxter, G.S.** & Kennedy, M. 2005, Adult free zones in small mammal populations: response of Australian native rodents to reduced cover. *Austral Ecology* 30, 868-876.
- Page, M.J., **Baxter, G.S.**, & Lisle, A.T. 2005. Evaluating the adequacy of sampling germinable soil seed banks in semi arid systems. *Journal of Arid Environments* 64, 323-341.
- Sullivan, B.J., **Baxter, G.S.**, Lisle, A.T., Pahl, L., & Norris, W.M. 2004. Low-density koala (*Phascolarctos cinereus*) populations in the mulgalands of south-west Queensland. IV. Abundance and conservation status. *Wildlife Research* 31, 19-29.
- Sullivan, B.J., **Baxter, G.S.** & Lisle, A.T. 2003. . Low-density koala (*Phascolarctos cinereus*) populations in the mulgalands of south-west Queensland. III. Broad-scale patterns of habitat use. *Wildlife Research* 30, 583-591.
- Sullivan, B.J., Norris, W.M. & **Baxter, G.S.** 2003. Low-density koala (*Phascolarctos cinereus*) populations in the mulgalands of south-west Queensland. II. Distribution & diet. *Wildlife Research* 30, 331-338.
- Kennedy, M.S., Spencer, R-J., and **Baxter, G.S.** (2003). Using small mammals to test ecological processes driving population and community processes after fire in a nutrient poor environment. *Integrative and Comparative Biology* 43(6) 843.
- Sullivan, B.J., **Baxter, G.S.** & Lisle, A.T. 2002. *Low-density koala (Phascolarctos cinereus) populations in the mulgalands of south-west Queensland. I. Faecal pellet sampling protocol.* *Wildlife Research* 29, 455-462.
- Baxter, G.S.**, Grigg, G., Herbohn, J. & Kilminster, C. 2002. ENVM 3511 Wildlife Utilisation & Marketing. External Study Notes. NRSU of Q. 65pp.
- Carter, R.W., **Baxter, G.S.** & Hockings M.T. 2001. Resource management in tourism research: a new direction? *Journal of Sustainable Tourism.* 4:265-280.
- [**Baxter, G.S.**, Moll, E.J, and Lisle, A.T. 2001. Pasture grazing by black-striped wallabies \(*Macropus dorsalis*\) in central Queensland. *Wildlife Research* 28: 269-276.](#)
- Baxter, G.S.** & Leung, L. 2000 ENVM2510, Principles of Wildlife Management. External Study Notes. NRSU, U of Q. 2 Booklets, 75pp.
- Beutel, T, Beeton, R. & **Baxter, G.S.** Building better wildlife-habitat models. 1999 *Ecography* 22: 219-223.
- Baxter, G.S.** Hockings, M., Carter, R.W. & Beeton, R.J.S. 1999. Trends in Wildlife Management and the appropriateness of Australian University training. *Conservation Biology* 13: 842-849.

- Twyford, K. and **Baxter G.S.** 1999 Chemical control of Blue Perriwinkle in Croajingalong National Park, Victoria. *Plant Protection Quarterly*14: 47-50.
- Baxter, G.S.**, Melzer, C., Byrne, D., Fielder, D. & Loutit, R. 1998. The prevalence of spent lead shot in wetland sediments and ingested by wild ducks in coastal Qld. *The Sunbird* 28(2):21-25
- Baxter, G.S.** & Fairweather P.G. 1998. Does available foraging area, location or colony character control the size of multispecies egret colonies? *Wildlife Research* 25:23-32.
- Baxter, G.S.** 1996. Provision of supplementary nest material to colonial egrets. *Emu* 96:145-150.
- Baxter, G.S.** 1995. The management of black-striped wallabies *Macropus dorsalis* in Queensland's Maranoa Region. pp. 170-173 In: Bennett, A., Backhouse, G. and Clark, T. (eds). "People and nature conservation: perspectives on private land use and endangered species recovery. Transactions of the Royal Society of NSW.
- Strong, S. and **Baxter, G.S.** 1995. Cointegration and disintegration: the application of cointegration techniques to the analysis of endangered animal populations. Department of Management Studies Occasional Paper 3: 1-18.
- Baxter, G.S.** 1994. The location and status of egret colonies in coastal NSW. *Emu* 94:255-262.
- Baxter, G.S.** and Fairweather, P.G. 1994. Phosphorus and Nitrogen in wetlands with and without egret colonies. *Australian Journal of Ecology*. 19: 409-416.
- Baxter, G.S.** 1994. The influence of synchronous breeding, natal tree position and rainfall on egret nesting success. *Colonial Waterbirds* 17:120-129.
- Baxter, G.S.** 1993. QMA 27, Wildlife Management. External Study Book. University of Queensland, Gatton College. 180pp, 2 booklets.
- Baxter, G.S.** 1993. QMA 25, Wildlife Biology and Care. External Study Book. University of Queensland, Gatton College. 217pp, 2 booklets.
- Baxter, G.S.** 1993. QMA 26, Wildlife Interpretation. External Study Book. University of Queensland, Gatton College. 46pp, 2 booklets.
- Maddock, M.N. and **Baxter, G.S.** 1990. Breeding success of egrets related to rainfall: a six year Australian study. *Colonial Waterbirds* 14:133-139.
- Gilligan, B., **Baxter, G.S.**, Boyd, K., Markwell, K., Winning, G. and Rumming, J. 1990. Issues in wetland management.. Department of Water Resources, Sydney.
- Baxter, G.S.** and Fairweather, P.G. 1989. Comparison of the diets of nestling cattle egrets and intermediate egrets in the Hunter Valley, NSW. *Australian Wildlife Research* 16:395-404.
- Baxter, G.S.** 1988. Observations of predation on nestling egrets. *Corella* 12:118-119.

Awards and Scholarships

1989 - 1990

Australian Postgraduate Research Award

1989

Ecological Society of Australia Student Travel Award

1987 - 1989

Commonwealth Postgraduate Research Award

1987

Gould League of NSW Inc. Cayley Memorial Scholarship

Research Higher Degree Supervision

Doctor of Philosophy – Principal Advisor

Terry Beutel *Modelling habitat relationships for geckos in semi-arid Queensland.*
Graduated December 1997

Benedict Sullivan *Development and application of a technique to census low-density koala populations in Queensland's mulgalands.* **Graduated December 2000**

Karl Campbell *Development and application of methods to enhance the efficacy of Judas goats on the Galapagos Islands* **Graduated January 2007**

Hoang Minh Duc *The ecology and conservation of black-shanked douc langurs in southern Vietnam* **Graduated September 2007**

Malcolm Kennedy *The fire ecology of small mammals on Fraser Island World Heritage Area* **Graduated August 2008**

Megan Brady *Assessing the connectivity of landscape fragments in an urbanised landscape matrix* **Submission due September 2009**

Grace Muriuki *Effects of squatter camps on wildlife in the Chuyllu Hills, Kenya.*
Submission due December 2009.

Michelle Plant *Biological effects of artificial bird feeding.* **Submission due December 2009.**

Chong Leong Puan *The Functional and Numerical Responses of Barn Owls (Strigidae) to Density of Rodents in oil palm plantations.* **Submission due December 2009**

Risma Maulany *Nesting ecology of sea turtles at Alas Perwo National Park, Java*
Submission due March 2011

Doctor of Philosophy – Co-Advisor

Alejandro Ortega Argueta *The factors affecting the success of endeared species recovery plans* **Graduated June 2009.**

Carissa Free *The role of refugia in the Simpson Desert for the persistence of reptiles.*
Submission due July 2009

Geoffrey Smith *The distribution, abundance and habitat preferences of western koalas*
Submission due December 2010

Nicole Davies *Genetics and stress in western koalas; implications of climate change*
Submission due December 2010

Master of Philosophy – Principal Advisor

Goh Ishigame *Effects of artificial feeding on the physiology of Australian magpies*
Graduated December 2005

Alexander Kanowski *Effects of power line easements on the movements of arboreal mammals.* Submission due December 2009

Dr. Steven French *Emergent Strategies for Feral Predator Intervention : A Critical Management Study.* Submission due January 2010

Current Research Grants

Conservation and recovery of western koala populations. Linkage grant of \$459,000 from the Australian Research Council. Began January 2008. Industry Partners: The Australian Koala Foundation & New South Wales National Parks Service.

Ecology & Management of Red Deer in Queensland. Industry partners' grant of \$250,000 from Australian Deer Foundation, Sporting Shooters Australia & Toowoomba Regional Council. Begins June 2009.

Journals for which papers have been reviewed

Austral Ecology

Biological Conservation

Wildlife Research

Journal of Environmental Management

Journal of Arid Environments

Journal of Wildlife Management

Auk

Waterbirds

Corella

Proceedings of the Royal Society of Queensland

Australian Forestry

Society & Natural Resources

Kukila (Journal of the Indonesian Ornithologists Union)

Open Construction & Building Technology Journal, Bentham OPEN Publishing

- Member of Editorial Advisory Board

<http://www.bentham.org/open/tobctj/EBM.htm>