

## **Curriculum Vitae – Dr. Stephen S. Phillips**

(as at 31<sup>st</sup> December 2007)

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**Qualifications:** Bachelor of Science (Honors) - UNE  
Doctor of Philosophy – SCU

### **Professional Awards:**

**Laureate** Smithsonian Institute (World Finalist: 1998  
Computerworld/Smithsonian Awards – Category of  
Environment, Energy and Agriculture. Project: Koala  
Habitat Atlas)

### **Professional Affiliations:**

**Senior Lecturer(adjunct)** \* School of Environment, Griffith University

**Member**

- \* Ecological Society of Australia
- \* Aust. Society of Herpetologists
- \* International Centre for Ecotourism Research
- \* Centre for Innovative Conservation Strategies
- \* NSW Koala Recovery Team
- \* Wildlife Tourism Australia Inc.

### **Areas of Expertise:**

Flora & fauna monitoring techniques and survey design; taxonomy and ecology of Australian reptiles; GIS-based habitat modelling; koala ecology, landscape ecology; vegetation mapping and natural area management; ecology of disturbed communities, nature conservation and environmental planning legislation.

## EMPLOYMENT HISTORY

- Current -**                    **Managing Director/Principal Ecologist**  
Biolink Ecological Consultants
- 2000-05**                    **Lecturer (part time) in Ecology/Conservation Biology**  
– School of Environment, Griffith University.
- 1993-99**                    **Principal Biologist**  
Australian Koala Foundation
- 1992-93**                    **Senior Principal Conservation Officer (Wildlife Management)**  
QLD Department of Environment and Heritage
- 1983-92**                    **Scientific Officer - Naturalist - Ranger - Project Manager - Senior Ranger - Natural Resources Co-ordinator**  
NSW National Parks and Wildlife Service

## Theses & Publications

### Theses

- 1. Phillips, S.** (1980). 'A Consideration of the Genus *Austrelaps* (Squamata: Serpentes: Elapidae)'. B.Sc.(Hons) Thesis. Zoology Dept., University of New England.
- 2. Phillips, S.** (1999). 'Habitat utilisation by the koala (*Phascolarctos cinereus*) – towards a new approach for effective long term management and conservation'. Ph.D Thesis. Southern Cross University.

### Book Chapters

- 3. Phillips, S.** (1987). The Koala and Mankind. In: *Koala - Australia's Endearing Marsupial*. (ed. L. Cronin) pp 111-127. Reed Books Pty. Ltd., French's Forest.

## Conference Proceedings

**4. Phillips, S.** (1990). (Ed). *Rainforest Remnants*. Proceedings of a Workshop on Rainforest Rehabilitation held at North Coast Agricultural Institute, Wollongbar, 17-19 November, 1988. NSW National Parks and Wildlife Service.

## Book Reviews

**5. Phillips, S.** (1989). Australia's Reptiles - A Photographic Reference to the Terrestrial Reptiles of Australia. *Australian Zoologist* **25**, (3).

**6. Phillips, S.** (1993). Australian Snakes - A Natural History. In: *Herpetology in Australia - A Diverse Discipline* (Eds. D. Lunney and D. Ayers). Surrey Beatty and Sons Pty Ltd, Chipping Norton NSW.

## Peer-reviewed Papers

**7. Phillips, S.** (1988). Observations on a mass stranding of *Pseudorca crassidens* at Crowdy Head, NSW. In: *Marine Mammals of Australia - Field Biology and Captive Management*. (ed. M. L. Augee) pp 33 - 41. Royal Zoological Society. NSW Sydney.

**8. Phillips, S.** (1989). Cetacean strandings - a perspective for future management. In: *Recreational Animal Welfare*. (eds. J. Reilly and D. Auer) pp 19-25. Australian Veterinary Association (Qld).

**9. Phillips, S.** (1991). A New South Wales record for *Aipysurus duboisii* Bavay, 1869 (Hydrophiidae). *Herpetofauna* **21**(1).

**10. Milledge, D., Parnaby, H., and Phillips, S.** (1992). Recent records of the Hoary Bat *Chalinolobus nigrogriseus* from New South Wales. *Australian Zoologist* **28** (1-4) 55-57.

**11. Phillips, S.** (1993). Aspects of the distribution, ecology and morphology of Ingram's Brown Snake *Pseudonaja ingrami* (Elapidae). In: *Herpetology in Australia - A Diverse Discipline* (Eds. D. Lunney and D. Ayers) pp 349 - 352. Surrey Beatty and Sons Pty Ltd, Chipping Norton NSW.

**12. Phillips, S.** (1993). Conserving the herpetofauna of Queensland - a look at the *Nature Conservation Act 1992*. In: *Herpetology in Australia - A Diverse Discipline* (Eds. D. Lunney and D. Ayers) pp 377 - 381. Surrey Beatty and Sons Pty Ltd, Chipping Norton NSW.

**13. Phillips, S.** (1997). Some issues associated with the relocation of koalas *Phascolarctos cinereus*. In *Challenging the Boundaries – Proceedings of the Annual Conference of the Australian Association of Veterinary Conservation Biologists*. (Ed. A. Tribe) pp 187 – 193. Australian Veterinary Association, Brisbane.

**14. Sharp, A., and Phillips, S.** (1997). Koalas, Science and Conservation. In: *Saving Our Natural Heritage: The Role of Science in Managing Australia's Ecosystems* (Eds. C. Copeland and D. Lewis) Halstead Press Publishers Pty. Ltd, Rushcutters Bay, NSW.

**15. Lunney, D., Phillips, S., Callaghan, J., and Coburn, D.** (1998). Determining the distribution of koala habitat across a shire as a basis for conservation: a case study from Port Stephens, New South Wales. *Pacific Conservation Biology* **4(3)**, 186 - 196.

**16. Phillips, S., Callaghan, J., and Thompson, V.** (2000). The tree species preferences of koalas (*Phascolarctos cinereus*) inhabiting forest and woodland communities on Quaternary deposits in the Port Stephens area, New South Wales. *Wildlife Research* **27**, 1 - 10.

**17. Phillips, S. and Callaghan, J.** (2000). Tree species preferences of a koala (*Phascolarctos cinereus*) population in the Campbelltown area south-west of Sydney, New South Wales. *Wildlife Research* **27**, 569 - 575.

**18. Phillips, S.** (2000). Population Trends and the Koala Conservation Debate. *Conservation Biology* **14 (3)**, 650 - 659.

**19. Phillips, S., Coburn, D., and James, R.** (2001). An observation of cat predation upon an Eastern Blossom Bat *Syconycteris australis*. *Australian Mammology* **23**, 57 - 58.

**20. Burley, A., Phillips, S., and Ooi, M. K. J.** (2007) Can age be predicted from diameter for the obligate seeder *Allocasuarina littoralis* (Casuarinaceae) using dendrochronological techniques? *Australian Journal of Botany* **55**, 433 – 438.

### Submitted papers

**21. Phillips, S., and Callaghan, J.** The “Spot Assessment Technique”: a tool for determining the importance of localized habitat utilization by Koalas *Phascolarctos cinereus*. *Ecological Management & Restoration*.

**22. Pereoglou, F., and Phillips, S.** Developing optimal sampling strategies for rare plants: a case study using *Acacia baueri* subsp. *baueri* in SE Qld, Australia. *Austral Ecology*.

**23. Phillips, S.** Development of a lightweight, portable trap for capturing free-ranging Koalas *Phascolarctos cinereus*. *Australian Zoologist*.

**24. Phillips, S.,** Hopkins, M., and Warnken, J., Splines in the sand: modelling metapopulation structure across the landscape to provide greater planning certainty for an arboreal marsupial (Koala *Phascolarctos cinereus* Goldfuss). *Landscape and Urban Planning*.

**25. Gregory, C., Phillips, S.,** Sullivan, K., and Hero, J-M. Putting 'systematic' back into systematic taxonomy: an example using *Pseudonaja* (Serpentes: Elapidae) from Australia and Papua-New Guinea. *Zootaxa*.

### Honours and Research Higher Degree Supervision

Burley, A. (2003). *The application of dendroecology to Allocasuarina littoralis (Salisb.) L. Johnson to establish stand structure and elucidate disturbance history at three sites in south-east Queensland.* 1<sup>st</sup> Class Honors. School of Environmental and Applied Science, Griffith University.

Pereoglou, F. (2003). *Conservation Biology of a rare plant - the Tiny Wattle Acacia baueri at Tugun in south-eastern Queensland,* 1<sup>st</sup> Class Honors. School of Environmental and Applied Science, Griffith University.

Lechner, N. (2004). *Comparison of two pit-fall trapping techniques for amphibian, reptile and small mammal survey purposes.* 2(A) Honors. School of Environmental and Applied Science, Griffith University.

Sullivan, K. (2005). *The use of predator scats to ascertain ecological impact and establish baseline data for monitoring purposes.* 1<sup>st</sup> Class Honors. School of Environmental and Applied Science, Griffith University.

Oost, M. (2007). *Impacts of visitor feeding on the structure and biodiversity of avian communities in national parks.* PhD Thesis, School of the Environment, Griffith University.

Gregory, C. (current). *Ecological and morphometric correlates of distribution in the Genus Pseudonaja (Serpentes: Elapidae).* PhD candidature.

Shaw, P. (current). *Ecological Management Plan for the Coombabah Lakelands Conservation Area.* M.Sc. candidature.