

## **Publications resulting from this project:**

### ***Journal Articles***

1. RHODES, J. R., E. P. M. Grist, K. W. H. Kwok, and K. M. Y. Leung. In press. A Bayesian mixture model for estimating inter-generation chronic toxicity. *Environmental Science & Technology*.
2. McAlpine, C. A., J. R. RHODES, M. E. Bowen, D. Lunney, J. G. Callaghan, D. L. Mitchell, and H. P. Possingham. 2008. Can multi-scale models of a species' distribution be generalised from region to region? A case study of the koala. *Journal of Applied Ecology* 45: 558-567.
3. RHODES, J. R., J. G. Callaghan, C. A. McAlpine, C. de Jong, M. E. Bowen, D. L. Mitchell, D. Lunney, and H. P. Possingham. 2008. Regional variation in habitat-occupancy thresholds: a warning for conservation planning. *Journal of Applied Ecology* 45: 549-557.
4. McAlpine, C. A., M. E. Bowen, J. G. Callaghan, D. Lunney, J. R. RHODES, D. L. Mitchell, D. V. Pullar, and H. P. Possingham. 2006. Testing alternative models for the conservation of koalas in fragmented rural-urban landscapes. *Austral Ecology* 31: 529-544.
5. McAlpine, C. A., J. R. RHODES, J. G. Callaghan, M. E. Bowen, D. Lunney, D. L. Mitchell, D. V. Pullar, and H. P. Possingham. 2006. The importance of forest area and configuration relative to local habitat factors for conserving forest mammals: a case study of koalas in Queensland, Australia. *Biological Conservation* 132: 153-165.
6. RHODES, J. R., A. J. Tyre, N. Jonzén, C. A. McAlpine, and H. P. Possingham. 2006. Optimizing presence-absence surveys for detecting population trends. *Journal of Wildlife Management* 70: 8-18.
7. RHODES, J. R., T. Wiegand, C. A. McAlpine, J. Callaghan, D. Lunney, M. Bowen, and H. P. Possingham. 2006. Modeling species' distributions to improve conservation in semiurban landscapes: koala case study. *Conservation Biology* 20: 449-459.
8. RHODES, J. R., C. A. McAlpine, D. Lunney, and H. P. Possingham. 2005. A spatially explicit habitat selection model incorporating home range behavior. *Ecology* 86: 1199-1205.
9. Field, S. A., A. J. Tyre, N. Jonzén, J. R. RHODES, and H. P. Possingham. 2004. Minimizing the cost of environmental management decisions by optimizing statistical thresholds. *Ecology Letters* 7:669-675.

## **Book Chapters**

1. RHODES, J. R., C. A. McAlpine, A. F. Zuur, G. M. Smith, and E. N. Ieno. In press. GLMM applied on the spatial distribution of koalas in a fragmented landscape. A. F. Zuur, E. N. Ieno, N. Walker, A. A. Saveliev, and G. M. Smith, editors. *Mixed effects models and extensions in ecology with R*. Springer.

## **Conference Papers**

1. Hayes, D., E. Fulton, S. A. Condie, J. RHODES, R. Porter-Smith, K. Astles, and G. Cui. 2007. Ecosystem modelling, a tool for sustainable regional development. Pages 2806-2812 *in* L. Oxley and D. Kulasiri, editors. MODSIM 2007 International Congress on Modelling and Simulation. Modelling and Simulation Society of Australia and New Zealand, [http://www.mssanz.org.au/modsim07/papers/51\\_s26/EcosystemModeling\\_s26\\_Hayes\\_.pdf](http://www.mssanz.org.au/modsim07/papers/51_s26/EcosystemModeling_s26_Hayes_.pdf).
2. RHODES, J. R., C. A. McAlpine, D. Lunney, and J. Callaghan. 2005. Evaluating natural resource management strategies under parameter uncertainty: an outranking approach applied to koala conservation. Pages 2540-2546 *in* A. Zenger, and R. M. Argent, editors. MODSIM 2005 International Congress on Modelling and Simulation. Modelling and Simulation Society of Australia and New Zealand, <http://www.mssanz.org.au/modsim05/papers/rhodes.pdf>.

## **Theses**

1. RHODES, J. R. 2005. The ecology, management and monitoring of wildlife populations in fragmented landscapes: a koala case study. PhD dissertation. The University of Queensland, Brisbane, Australia.

## **Other Publications and Reports**

1. RHODES, J. R., C. A. McAlpine, A. Peterson, J. G. Callaghan, D. Lunney, H. P. Possingham, D. L. Mitchell, and T. Curran. 2008. Linking landscape ecology to planning for koala conservation. *Australian Planner* 45: 24-25.
2. McAlpine, C., J. RHODES, A. Peterson, H. Possingham, J. Callaghan, T. Curran, D. Mitchell, and D. Lunney. 2007. Planning guidelines for koala conservation and recovery. A guide to best planning practice. Australian Koala Foundation and The University of Queensland, Brisbane, Australia.