

# Publications by researchers 2006-07

## Publications

### Refereed papers

Collins J., Hutley L.B., Williams R.J., Boggs G., Bell D., Bartolo R., 2007, 'Estimating landscape-scale vegetation carbon stocks using airborne multi-frequency polarimetric synthetic aperture radar (SAR) in the savannas of north Australia', *International Journal of Remote Sensing*.

Firth, R.S.C., Woinarski, J.C.Z., & Noske, R.A. 2006, 'Home range and den characteristics of the brush-tailed rabbit-rat *Conilurus penicillatus* in the monsoonal tropics of the Northern Territory, Australia', *Wildlife Research*, 33(5) 397–407.

Firth, R.S.C., Woinarski, J.C.Z., Brennan, K.G. & Hempel, G. 2006, 'Environmental relationships of the brush-tailed rabbit-rat, *Conilurus penicillatus* and other small mammals on the Tiwi Islands, northern Australia', *Journal of Biogeography*, 33 (10) 1820–1837.

Fisher, R., Bobanuba, W.E., Rawambaku, A., Hill, G.J.E., Russell-Smith, J.R.S. 2006, 'Remote sensing of fire regimes in semi-arid Nusa Tenggara Timur, eastern Indonesia: current patterns, future prospects', *International Journal of Wildland Fire* 15 (3): 307–317

Hannah, D., Woinarski, J.C.Z., Catterall, C.P., McCosker, J.C., Thurgate, N.Y., & Fensham, R.J. 2006, 'Impacts of clearing, fragmentation and disturbance on the bird fauna of eucalypt savanna woodlands in central Queensland, Australia', *Austral Ecology*.

Kuchling, G, Rhodin, A, Ibarrondo, B. R., & Trainor, C.R. 2007, 'A new subspecies of the snakeneck turtle *Chelodina mccordi* from Timor-Leste (East Timor)', *Chelonian Conservation & Biology*.

Kutt, A.S., & Woinarski, J.C.Z., 2006, 'Vegetation and the vertebrate fauna assemblage pattern in response to grazing and fire in a tropical savanna woodland in north-eastern Australia', *Journal of Tropical Ecology*.

Lambert, F. R, Trainor, C. R., & Xavier, A. F. 2006, 'Observations of Wetar Ground-dove *Gallinolumba hoedtii* from Timor-Leste (East Timor)', *Forktail* 22, 165–170.

McAlpine, C.A., Heyenga, S., Taylor, B., Peterson A. & McDonald, G. 2007, 'Regional Planning in Queensland's Rangelands: Challenges and Prospects for Biodiversity Conservation', *Geographical Research*, 45 (1), 27–42.

Price, O., Edwards, A., Russell-Smith, J. 2007, 'The efficacy of permanent firebreaks and aerial prescribed burning in western Arnhem Land, Northern Territory, Australia', *International Journal of Wildland Fire* 16: 295–307.

Russell-Smith, J.R.S., Djoeroemana, S., Maan, J. & Pandanga, P. 2006, 'Rural livelihoods and burning practices in savanna landscapes of Nusa Tenggara Timur, eastern Indonesia', *Human Ecology*, 35:3, 345–359.

Russell-Smith, J. 2006, 'Recruitment dynamics of the long-lived obligate seeders *Callitris intratropica* (Cupressaceae) and *Petraeomyrtus punicea* (Myrtaceae)', *Australian Journal of Botany*, 54 (5): 479–485.

Russell-Smith, J., Edwards, A.C. 2006, 'Seasonality and fire severity in savanna landscapes of monsoonal northern Australia', *International Journal of Wildland Fire* 15: 541–550.

Russell-Smith, J., Karunaratne, N.S., Mahindapala, R. 2006, 'Rapid inventory of wild medicinal plant populations in Sri Lanka', *Biological Conservation* 132 (1): 22–32.

Russell-Smith, J., Setterfield, S.A. 2006, 'Monsoon rain forest seedling dynamics, northern Australia: contrasts with regeneration in eucalypt-dominated savannas', *Journal of Biogeography* 33 (9): 1597–1614.

Russell-Smith, J., Yates, C.P., Lynch, B. 2006, 'Fire regimes and soil erosion in north Australian hilly savannas', *International Journal of Wildland Fire* 15: 551–556.

Trainor, C. R. & Leitão, P.J. 2007, 'Further significant bird records from Atauro Island, Timor-Leste (East Timor)', *Forktail* 23: 155–158.

Trainor, C. R. 2007, 'Birds of Damar Island, Banda Sea, Indonesia', *Bulletin British Ornithologists' Club*. 127, 8–28.

Trainor, C. R., Benstead, P., Martin, K., Lesmana, D., Agista, D., Benstead, M.C., Drijvers, R. & Setiawan, I. 2006, 'New bird records for Nusa Tenggara Islands: Sumbawa, Moyo, Sumbawa, Sumba, Flores, Pulau Besar and Timor', *Kukila* 13: 1–18. Woinarski, J.C.Z., Hempel, C., Cowie, I., Brennan, K., Kerrigan, R., Leach, G., & Russell-Smith, J. 2006, 'Distributional patterns of plant species endemic to the Northern Territory, Australia', *Australian Journal of Botany*.

Woinarski, J.C.Z. 2006, 'Predictors of nomadism in Australian birds: a re-analysis of Allen and Saunders (2002)', *Ecosystems*.

Ziembicki, M., & Woinarski, J., 2006, 'Monitoring continental movement patterns of the Australian Bustard through community-based surveys and remote sensing', *Pacific Conservation Biology*.

## Books and chapters

Fleming, M. & Woinarski, J.C.Z. 2006, 'Arnhem Rock-rat', in *The Australian Museum Complete Book of Australian Mammals, Revised edition*, ed. S. Van Dyck., Australian Museum, Sydney.

Johnson, K., & Woinarski, J. 2006, 'Carpentarian Antechinus', in *The Australian Museum Complete Book of Australian Mammals, Revised edition*, ed. S. Van Dyck., Australian Museum, Sydney.

Kerle, J.A., Kutt, A.S. & Read, J.L. 2006, 'Desert Mouse, *Pseudomys desertor*', in *The Australian Museum Complete Book of Australian Mammals, Revised edition*, ed. S. Van Dyck., Australian Museum, Sydney.

Kutt, A.S., Milne, D.J., M. & Richards, G.C. 2006, 'Northern Freetail-bat *Chaerephon jobensis*', in *The Australian Museum Complete Book of Australian Mammals, Revised edition*, ed. S. Van Dyck., Australian Museum, Sydney.

Kutt, A.S., Milne, D.J., M. & Allison, F.R. 2006, 'Hoary wattled-bat *Chalinolobus nigrogriseus*', in *The Australian Museum Complete Book of Australian Mammals, Revised edition*, ed. S. Van Dyck., Australian Museum, Sydney.

Kutt, A.S. 2006, 'Chestnut Dunnart *Sminthopsis archeri*', in *The Australian Museum Complete Book of Australian Mammals, Revised edition*, ed. S. Van Dyck., Australian Museum, Sydney.

Mackey, B.G., Soule, M.E., Nix, H.A., Recher, H.F., Lesslie, R.G., Williams, J.E., Woinarski, J.C.Z., Hobbs, R.J., & Possingham, H.P. 2006, 'Towards a scientific framework for the WildCountry project', in *Key topics and perspectives in landscape ecology*, eds J. Wu and R.J. Hobbs, Cambridge University Press, Cambridge.

Moro, D. & Kutt, A.S. 2006, 'Lakeland Downs Mouse, *Leggadina lakedownensis*', in *The Australian Museum Complete Book of Australian Mammals, Revised edition*, ed. S. Van Dyck., Australian Museum, Sydney.

Parnaby, H., Law, B., Pennay, M., & Kutt, A.S. 2006, 'Eastern Cave Bat *Vespadelus troughtoni*', in *The Australian Museum Complete Book of Australian Mammals, Revised edition*, ed. S. Van Dyck., Australian Museum, Sydney.

Pavey, C.R. & Kutt, A.S. 2006, 'Large-eared Horseshoe-bat *Rhinolophus philippinensis*.' in *The Australian Museum Complete Book of Australian Mammals, Revised edition*, ed. S. Van Dyck., Australian Museum, Sydney.

Puckey, H., Palmer, C., Woinarski, J.C.Z., & Churchill, S. 2006, 'Carpentarian Rock-rat', in *The Australian Museum Complete Book of Australian Mammals, Revised edition*, ed. S. Van Dyck., Australian Museum, Sydney.

Rhind, S., Aplin, K., & Woinarski, J.C.Z. 2006, 'Northern Brush-tailed Phascogale', in *The Australian Museum Complete Book of Australian Mammals, Revised edition*, ed. S. Van Dyck., Australian Museum, Sydney.

Richards, G.C., Reardon, T.B., Kutt, A.S. & Hoye, G. 2006, 'Inland forest bat *Vespadelus baverstocki*', in *The Australian Museum Complete Book of Australian Mammals, Revised edition*, ed. S. Van Dyck., Australian Museum, Sydney.

Ritchie, E.G. 2006, 'Antilopine wallaroo (*Macropus antilopinus*)', in *The Australian Museum Complete Book of Australian Mammals, Revised edition*, ed. S. Van Dyck., Australian Museum, Sydney.

Russell-Smith, J., Karunaratne, N., Mahindapala, R. 2007, *An inventory of medicinal plant species in five Sri Lankan sustainable management areas*, IUCN, Colombo.

Schulz, M., Richards, G.C., Coles, R.B., Spencer, H.J. & Kutt, A.S. 2006, 'Tube-nosed Insect Bat *Murina florium*', in *The Australian Museum Complete Book of Australian Mammals, Revised edition*, ed. S. Van Dyck., Australian Museum, Sydney.

Soule, M.E., Mackey, B.G., Recher, H.F., Williams, J.E., Woinarski, J.C.Z., Driscoll, D., Dennison, W.C., and Jones, M., 2006, 'The role of connectivity in Australian conservation', in *Connectivity Conservation*, Cambridge University Press.

Trainor, C.R., Coates, B. & Bishop, K. D. 2007, *Birds of Timor-Leste*, BirdLife International and Dove Publications.

Trainor, C.R., Santana, F., Rudyanto, Xavier, A., Pinto, P., & de Oliveira, G.F. 2007, *Important Bird Areas of Timor-Leste*, BirdLife International Asia Division.

Woinarski, J.C.Z. 2006, 'Nature's infinite variety: conservation choice and management for dynamic ecological systems', in *Managing and designing landscapes for conservation: moving from perspectives to principles*, eds D. Lindenmayer and R. Hobbs, Blackwell, Oxford.

Woinarski, J.C.Z. & Flannery, T. 2006, 'Northern Hopping-mouse', in *The Australian Museum Complete Book of Australian Mammals, Revised edition*, ed. S. Van Dyck., Australian Museum, Sydney.

Woinarski, J.C.Z. 2006, 'Kakadu Pebble-mound Mouse', in *The Australian Museum Complete Book of Australian Mammals, Revised edition*, ed. S. Van Dyck., Australian Museum, Sydney.

Woinarski, J.C.Z., & Van Dyck, S. 2006, 'Kakadu Dunnart', in *The Australian Museum Complete Book of Australian Mammals, Revised edition*, ed. S. Van Dyck., Australian Museum, Sydney.

## Conference Papers National

Rossiter, N.A., Setterfield, S.A., Douglas, M.M., Hutley, L.B. & Cook, G.D. 2006, 'The impact of exotic grass invasions of nitrogen cycling: A mini-review', in *Proceedings of the 15th Australian Weeds Conference*, eds. C. Preston, J.H. Watts and N.D. Crossman, Weed Management Society of South Australia, Adelaide, pp. 815–818.

Setterfield, S.A., Douglas, M.M, Barratt, J. & Brooks, K. 2006, 'Reproductive phenology of *Pennisetum pedicellatum*', in *Proceedings of the 15th Australian Weeds Conference*. Eds. C. Preston, J.H. Watts and N.D. Crossman, Weed Management Society of South Australia, Adelaide, pp. 272–274.

Brooks, K., Setterfield, S.A. & Douglas, M.M. 2006, 'Seasonal timing of glyphosate application: impacts on native plant communities in a north Australian tropical savanna', in *Proceedings of the 15th Australian Weeds Conference*, Eds. C. Preston, J.H. Watts and N.D., Crossman, Weed Management Society of South Australia, Adelaide, pp. 223–226.

Douglas, M.M., Setterfield, S.A, O'Connor, R.A., Ferdinands, K., Rossiter, N.A., Brooks, K., Ryan, B. & Parr, C. 2006, 'NT Different weeds, different habitats, same effects: Exotic grass invasion in tropical woodlands and wetlands', in *Proceedings of the 15th Australian Weeds Conference*, eds. C. Preston, J.H. Watts and N.D. Crossman, Weed Management Society of South Australia, Adelaide, pp. 811–814.

## Reports

Setterfield, S.A., Beilby, A., Douglas, M.M, Clarkson, J., Barratt, J., Ferdinands, K., Grace, B., & Wirf, L. 2006, 'A weed risk management system for the Northern Territory', in *Proceedings of the*

*15th Australian Weeds Conference*, eds. C. Preston, J.H. Watts and N.D. Crossman. Weed Management Society of South Australia, Adelaide, pp. 699–702.

Straton, A., Heckbert, S., Smajgl, A. & Ward, J. 2006, *Institutions for water trading and policy-making in the tropical savannas: a case study of the Katherine-Daly River region*, Darwin, CSIRO and Tropical Savannas Cooperative Research Centre.

Straton, A., Heckbert, S., Smajgl, A. & Ward, J. 2006, *Water trading in the Katherine-Daly River region: Issues and scenarios*, Darwin, CSIRO and Tropical Savannas Cooperative Research Centre.

## **Presentations**

\*Russell-Smith, J.R.S, Yates, C. 2006, The contribution of savanna burning to contemporary Australian fire regimes, 3rd International Fire Ecology and Management Conference, San Diego, November.

\*Russell-Smith, J.R.S, Yates, C. & Edwards, A. 2006, *Fires in north Australian savannas: size and frequency does matter*, 3rd International Fire Ecology and Management Conference, San Diego, November.