

Publications: 1999–2000

Refereed Papers

Ahmad, W., Hill, G.J.E., Grady, A., & Menges, C. (1999) 'Use of Multi-Spectral Scanner Data for the Identification and Mapping of Tropical Forests of Northern Australia', *Asia-Pacific Remote Sensing and GIS Journal*, vol 2, pp. 25–35.

Andersen, A.N. & Müller, W.J. (in press) 'Arthropod responses to experimental fire regimes in an Australian tropical savanna: 'ordinal'-level responses', *Australian Journal of Ecology*.

Blanche, K.R., Andersen, A.N. & Ludwig, J.A. (in press) 'Rainfall-contingent detection of fire impacts: responses of beetles to experimental fire regimes in a tropical savanna', *Ecological Applications*.

Bowman, D.M.J.S., Wilson, B.A. and Fensham, R.J. (1999) Relative drought tolerance of evergreen-rainforest and evergreen-savanna species in a long unburnt *Eucalyptus* savanna, north Queensland, Australia. *Proceedings of the Royal Society of Queensland* 108, 27-31.

Churchill, T.B. and Arthur, J.M. (1999) Measuring spider richness: effects of different sampling methods and spatial and temporal scales', *Journal of Insect Conservation*, vol. 3, pp. 287–295.

Cole, J. & Woinarski, J.C.Z. (in press) 'Rodents of the arid Northern Territory: conservation status and distribution', *Wildlife Research*.

Cook, G.D. (1999) 'Production hinges on fertility', *Australian Landcare*, pp. 44–45.

Crowley, G.M. & Garnett, S.T. 1999, 'Seeds of the annual grasses *Schizachyrium* spp. as a food resource for tropical granivorous birds,' *Australian Journal of Ecology*, vol. 24, no. 3., pp. 208–220.

Crowley, G.M. & Garnett, S.T. (2000) 'Changing fire management in the pastoral lands of Cape York Peninsula of northeast Australia, 1623 to 1996', *Australian Geographical Studies*, vol. 38, no. 1, pp. 10–26.

Eamus, D., Myers, B., Duff, G. & Williams, R. (1999) 'A cost-benefit analysis of eight Australian savanna tree species of differing phenology', *Photosynthetica*, 36, pp. 575–586.

Eamus, D., Myers, B.A., Duff, G.A & Williams, R.J. (1999) 'Seasonal variation in photosynthetic rate of eight savanna tree species of Australia', *Tree Physiology*, vol. 19, pp. 665–672.

Eamus, D. (1999) 'Ecophysiological traits of deciduous and evergreen woody species in the seasonally dry tropics', *TREE* vol. 14, pp 11–16.

Eamus, D., & Prior, L. (in press) 'The ecophysiology of tropical savannas, with special reference to phenology, water relations and photosynthesis', *Advances in Ecological Research*.

Fairfax, R.J., & Fensham, R.J. (in press) 'The effect of exotic pasture development on floristic diversity in central Queensland, Australia', *Biological Conservation*.

Fensham, R.J., & Holman, J.E. (1999) 'Temporal and spatial patterns in drought related tree dieback in Australian savanna', *Journal of Applied Ecology* vol. 36, pp. 1035–1050.

Fisher, A., Woinarski, J.C.Z., Churchill, S., Trainor, C., Griffiths, A.D., Palmer, C., & Cooper, N, (in press) 'Distribution of the rock-dwelling *dasyurids* *Pseudantechinus bilarni* and *Pseudantechinus ningbing* in the Northern Territory', *NT Naturalist*.

Fordyce, I.R., Eamus, D. and Duff, G.A. (2000) 'Episodic seedling growth in *Allosyncarpia ternata*, a lignotuberous monsoon rainforest tree of tropical Australia', *Austral Ecology*, vol. 25, pp. 25–35.

Franklin, D.C., Woinarski, J.C.Z. & Noske, R.A. (in press) 'Geographic patterning of species richness among granivorous birds in Australia', *Journal of Biogeography*.

Hoffmann, B.D., Andersen, A.N. & Hill, G.J.E. (1999) 'Impact of an introduced ant on native rain forest invertebrates: *Pheidole megacephala* in monsoonal Australia', *Oecologia*, vol. 120, pp. 595–604.

Hoffmann, B.D., Griffiths, A.D. & Andersen, A.N. (in press) 'Response of ant communities to dry sulphur deposition from mining emissions in semi-arid northern Australia, with implications for the use of functional groups', *Australian Journal of Ecology*.

Hoffmann, B. D. (in press) 'Changes in ants species composition and community organisation along grazing gradients in semi-arid rangelands of the Northern Territory', *The Rangeland Journal*.

Hutley, L.B., O'Grady, A.P. and Eamus, D. 2000. Daily and seasonal patterns of evapotranspiration from Eucalypt open forests savanna of tropical northern Australia. *Functional Ecology*, vol. 48.

King, D. & Macgregor, C. (in press) 'Using social indicators to measure community vulnerability to natural hazards,' *Australian Journal of Emergency Management*.

Ludwig, J.A., Tongway, D.J. & Marsden, S.G., (1999c) 'Stripes, strands or stipples: modelling the influence of three landscape banding patterns on resource capture and productivity in semi-arid woodlands, Australia', *Catena*, vol. 37, pp. 257–273.

Ludwig, J.A., Wiens, J.A. & Tongway, D.J., (2000b) 'A scaling rule for landscape patches and how it applies to conserving soil resources in tropical savannas', *Ecosystems*, vol. 3, pp. 84–97.

Ludwig, J.A., Eager, R.W., Williams, R.J. & Lowe, L.M. (1999) 'Declines in vegetation patches, plant diversity and grasshopper diversity near cattle watering-points in the Victoria River District, Northern Australia', *The Rangeland Journal*, vol. 21, pp. 135–149.

Ludwig, J.A., Tongway, D.T., Eager, R.W., Williams, R.J., & Cook, G.D. (1999) 'Fine-scale vegetation patches decline in size and cover with increasing rainfall in Australian savannas', *Landscape Ecology*, vol. 14, 557–566.

Ludwig, J.A., Bastin, G.N., Eager, R.W., Karfs, R., Ketner, P. & Pearce, G. (in press) 'Monitoring Australian rangeland sites using landscape function indicators and ground- and remote-based techniques', *Environmental Monitoring & Assessment*, vol. 42.

Menges, C.H., Hill, G.J.E., & Ahmad, W. (in press) 'Use of airborne video data for the characterisation of tropical savannas in northern Australia: The optimal spatial resolution for remote sensing applications', *International Journal of Remote Sensing*.

Menges, C.H., Ahmad, W., & Hill, G.J.E., van Zyl, J.J. (in press) 'A procedure for the correction of the effect of variation in local incidence angle on AIRSAR data', *International Journal of Remote Sensing*.

Menges, C.H., Hill, G.J.E., Ahmad, W., & Van Zyl, J.J. (in press) 'Incidence angle correction of AIRSAR data to facilitate land cover classification', *Photogrammetric Engineering & Remote Sensing Journal*.

O'Grady A.P., Eamus D. & Hutley L.B (1999) 'Transpiration increases during the dry season: patterns of tree water use in the eucalypt open forests of northern Australia', *Tree Physiology*, vol. 19, pp. 591–597

O'Grady, A.P., Chen, X., Eamus, D., & Hutley, L.B. (in press) 'A description of the composition, structure, leaf area index and standing biomass of a eucalypt open forest near Darwin in the Northern Territory', *Australian Journal of Botany*, vol. 48.

Palmer, C., & Woinarski, J.C.Z. (1999) 'Seasonal roosts and foraging movements of the black flying fox *Pteropus alecto* in the Northern Territory: resource tracking in a landscape mosaic', *Wildlife Research*, vol. 26, pp. 823–838.

Phinn, S.R., Menges, C., Hill, G.J.E., & Stanford, M. (in press) 'Optimising remotely sensed solutions for monitoring, modelling and managing coastal environments', *Remote Sensing of Environment*.

Price, O.F., Woinarski, J.C.Z., & Robinson, D. (1999) 'Very large area requirements for frugivorous birds in monsoon rainforests of the Northern Territory, Australia'. *Biological Conservation*, vol. 91, pp. 169–180.

Prior, L. & Eamus, D. (in press) 'Hydraulic architecture and xylem embolism in *Eucalyptus tetrodonta*: seasonal patterns and methodological considerations', *Plant, Cell and Environment*.

- Prior, L. & Eamus, D. (1999) 'Seasonal changes in leaf water characteristics of *Eucalyptus tetrodonta* and *Terminalia ferdinandiana* saplings in a north Australian savanna', *Australian Journal of Botany*, vol. 47.
- Quirk, M.F. (in press) 'Managing native pastures: facts and fallacies', *Tropical Grasslands*.
- Rea, N. & Storrs, M.J., (1999) 'Weed invasions in wetlands of Australia's Top End: reasons and solutions', *Wetlands Ecology and Management*, vol. 7, pp. 47-62.
- Runcie, M.J. (in press) 'Biparental care and obligate monogamy in the rock-haunting possum, (*Petropseudes dahli*) of tropical Australia', *Animal Behaviour*.
- Schulze, E.D., Williams, R.J., Farquhar, G.D., Schulze, W., Langridge, J., Miller, J., & Walker, B.H. (1998) 'Carbon and nitrogen isotope discrimination and nitrogen nutrition of trees along the North Australian Tropical Transect', *Australian Journal of Plant Physiology* vol. 25, pp. 413-425.
- Schulze E.D., Farquhar G., Miller, J.M., Schulze, W., Walker B.H. & Williams R.J. (1999) 'Interpretation of increased foliar d15N in woody species along a rainfall gradient in northern Australia: A comment on "Foliar d15N is negatively correlated with rainfall along the IGBP transect in Australia" by AT Austin & OE Sala', *Australian Journal of Plant Physiology* vol. 26, pp. 296-298.
- Thomas, D.S. & Eamus, D. (1999) 'The influence of predawn leaf water potential on stem hydraulic conductivity and foliar ABA concentrations and on stomatal responses to atmospheric water content at constant Ci', *Journal of Experimental Botany* vol. 50, pp. 243-251.
- Thomas, D.S., Eamus, D., & Bell, D (1999) 'Optimisation theory of stomatal behaviour I A critical evaluation of five methods of calculation', *Journal of Experimental Botany*, vol. 50, pp. 383-390.
- Thomas, D.S., Eamus, D., & Bell, D. (1999) 'Optimisation theory of stomatal behaviour II. Stomatal responses of several tree species of north Australia to changes in light, soil and atmospheric water content and temperature', *Journal of Experimental Botany* vol. 50, pp. 391-398.
- Thomas, D.S., Eamus, D., & Shanahan, S. (in press) 'Studies on the influence of season, drought and xylem ABA on stomatal responses to leaf-to-air vapour pressure difference of trees of the Australian wet-dry tropics', *Australian Journal of Botany*.
- Walden, D., Finlayson, M., van Dam, R., & Storrs M. (in press) 'Managing weeds in tropical wetlands: wetland risk assessment and *Mimosa pigra*', *Wetlands Ecology and Management*.
- Williams, R.J., Cook, G.D., Gill, A.M., & Moore, P.H.R. (1999b) 'Fire regime, fire intensity and tree survival in a tropical savanna in northern Australia', *Australian Journal of Ecology*, vol. 24, pp. 50-59.
- Williams R.J., Myers, B.A., Duff, G.A., Eamus, D. (in press) 'Reproductive phenology of woody species in a tropical savanna near Darwin, northern Australia', *Biotropica*, vol. 31.
- Woinarski, J.C.Z., Palmer, C., Fisher, A., Southgate, R., Masters, P. & Brennan, K. (1999) 'Distributional patterning of mammals on the Wessel and English Company Islands, Arnhem Land, Northern Territory, Australia', *Australian Journal of Zoology*, vol. 47, pp. 87-111.
- Woinarski, J.C.Z., Brock, C., Fisher, A., Milne, D. & Oliver, B. (1999) 'Response of birds and reptiles to fire regimes on pastoral land in the Victoria River District, Northern Territory', *The Rangeland Journal*, vol. 21, pp. 24-38.
- Woinarski, J.C.Z., Gambold, N., Wurst, D., Flannery, T.F., Smith, A.P., Chatto, R. & Fisher, A. (1999) 'Distribution and habitat of the Northern Hopping Mouse *Notomys aquilo*,' *Wildlife Research*, vol. 26, pp. 495-511.
- Woinarski, J.C.Z., Franklin, D. & Connors, G. (1999) 'Landscape mapping of nectar resources as a base for conservation management', *Australian Biologist*, vol. 12, pp. 97-105
- Woinarski, J.C.Z., Fisher, A., & Milne, D. (1999) 'Distribution patterns of vertebrates in relation to an extensive rainfall gradient and soil variation in the tropical savannas of the Northern Territory, Australia', *Journal of Tropical Ecology*, vol. 15, pp. 381-398.
- *Woinarski, J.C.Z. & Fisher, A. (1999) 'The Australian Endangered Species Protection Act 1992,' *Conservation Biology*, vol. 13, pp. 959-962.

Woinarski, J.C.Z., Fisher, A., Brennan, K., Morris, I., & Chatto, R. (in press) 'Patterns of bird species richness on islands off Arnhem Land, Northern Territory, Australia', *Australian Journal of Ecology*.

Woinarski, J.C.Z., Brock, C., Armstrong, M., Hempel, C., Cheal, D. & Brennan, K. (in press) 'Bird distribution in riparian vegetation of an Australian tropical savanna: a broad-scale survey and analysis of distributional data base', *Journal of Biogeography*.

Woinarski, J.C.Z. (in press) 'Range extension of the Inland Thornbill *Acanthiza apicalis* into the wet-dry tropics', *NT Naturalist*.

Woinarski, J.C.Z. (in press) 'The conservation status of rodents in the Top End of the Northern Territory', *Wildlife Research*.

Woinarski, J.C.Z., Brennan, K., Cowie, I., Fisher, A., Latz, P.K. & Russell-Smith, J. (in press) 'Vegetation of the Wessel and English Company Islands, north-eastern Arnhem Land, Northern Territory, Australia', *Australian Journal of Botany*.

Woinarski, J.C.Z., Franklin, D. & Connors, G. (in press) 'Thinking honeyeater: nectar maps for the Northern Territory, Australia, showing spatial and temporal variation in nectar availability', *Pacific Conservation Biology*.

Woinarski, J.C.Z., Brennan, K., Dee, A., Njudumul, J., Guthayguthay, P. & Horner, P. (in press) 'Further records of the False Water-rat *Xeromys myoides* from coastal Northern Territory', *Australian Mammalogy*.

Woinarski, J.C.Z., Horner, P., Fisher, A., Brennan, K., Lindner, D., Gambold, N., Chatto, R. & Morris, I. (1999) 'Distributional patterning of terrestrial herpetofauna on the Wessel and English Company Island groups, north-eastern Arnhem Land, Northern Territory, Australia', *Australian Journal of Ecology*, vol. 24, pp. 60–79.

Conference and Workshop Papers

Ahmad W., Menges, C. & Hill, G.J.E. (1999) The application of remotely sensed data for monitoring reef zonation changes in Northern Australia,' *Proceedings 4th North Australian Remote Sensing and GIS Conference*, Darwin, Australia, June, CD-ROM #41.

Bell, D., van Zyl, J.J., Menges, C., & Ahmad, W., (1999) 'An evaluation of dielectric retrieval algorithm in the tropical savannas', *Proceedings 4th North Australian Remote Sensing and GIS Conference*, Darwin, June, CD-ROM #30.

Brown, J., Cooke, P., Langton, M., Levy, R., Morris, L., Palmer, L. & Storrs, M. (1999) 'Indigenous people and water resource development in northern Australia', in *Proceedings of the workshop on water and human security in Southeast Asia and Oceania 16–18 November 1998, Canberra*, Global Environmental Change and Human Security Project.

**Bartolo, R., Menges, C.H., (2000) 'Wetland mapping in northern Australia using SAR', *Proceedings of the Sixth International Conference Remote Sensing for Marine and Coastal Environments*, Charleston, South Carolina, USA, 1–3 May.

Bartolo, R.E., Bell, D., Pfitzner, K., Menges, C., Hill, G.J.E., Ahmad, W., Hosking, J., & Astondoa, E., (2000) 'Current Research and Future Directions for Coastal Remote Sensing in Northern Australia', *Sixth International Conference on Remote Sensing for Marine and Coastal Environments*, Charleston, South Carolina, 1–3 May 2000.

Collett, L., (1999) Operational monitoring of fire using regional scale satellite imagery: tools for strategic rangeland fire management', in *People and Rangelands: Building the Future, Proceedings of the VI International Rangeland Congress*, Eldridge, D., & Freudenberger, D., (eds) Townsville, Australia, vol. 2, pp. 764–765.

Fegan, M. (in press) 'Beginning an investigation into the use of fusion of image and non-image data for the automation of classification of a tropical wetland,' *Proceedings of the 10th Australasian Remote Sensing Photogrammetry Conference*, Adelaide, 21–25 August 2000.

Fell, R.F. & O'Leary, J. (2000) Developing the human resource of the Northern Territory Department of Primary Industry and Fisheries, in *Proceedings of the Flexible Learning for a Flexible Society Conference*, University of Southern Queensland, Toowoomba

Fisher, A. (in press) 'Wildlife conservation within a pastoral landscape: the Mitchell grasslands of northern Australia', in *Australasian Wildlife Management Society 12th Annual Meeting & Conference*, Darwin, Dec.

Hassett, R.C., Wood, H.L., Carter, J.O. & Danaher, T.J., 1999, 'Statewide ground-truthing of a spatial model', in *People and Rangelands: Building the Future, Proceedings of the VI International Rangeland Congress*, Eldridge, D., & Freudenberger, D., (eds) Townsville, Australia, vol. 2, pp. 763–764.

Hynes, R.A., (1999) 'Integrated Regional Development in the Desert Uplands of Queensland' in *Proceedings of VI International Rangeland Congress*, Townsville, Jul.

Hynes, R.A., (2000) 'Action learning and action research for ecotourism: the Savannah Guides program' in *Proceedings of 7th Ecotourism Association of Australia Conference*, Kingfisher Bay, Fraser Island, Queensland, Oct.

Hynes, R., Lorimer, M., & Marshall, L. (in press) 'The Desert Uplands Community Scheme 1998–2004—A Strategy for Integrated Regional Development', *Proceedings Australian Rangeland Society Centenary Symposium*.

Khawaja, Z. H., Ahmad, W., & Williams, R.J., (1999) 'Use of varied resolution imagery for land cover mapping in semi-arid tropical savannas at Kidman Springs, northern Territory, Australia', *Proceedings 4th North Australian Remote Sensing and GIS Conference*, Darwin, June, CD-ROM #05.

Liedloff, A.C., Coughenour, M.B., Ludwig, J.A. & Dyer, R., 1999, 'Modelling the trade-off between fire and grazing in a tropical savanna landscape, northern Australia', in *Modelling the Dynamics of Natural, Agricultural, Tourism and Socio-economic Systems, Proceedings, MODSIM99, International Congress on Modelling and Simulation*, Oxley, L., Scrimgeour, F., & Jakeman, A., (eds) 5–9 December 1999, University of Waikato, Hamilton, New Zealand, Modelling and Simulation Society of Australia and New Zealand, Canberra, Australia. vol. 3, pp. 673–678.

Ludwig, J.A., Coughenour, M.B., Liedloff, A.C. & Dyer, R., (1999b) 'Modelling the resilience of Australian savanna systems to grazing impacts', in *Modelling the Dynamics of Natural, Agricultural, Tourism and Socio-economic Systems, Proceedings MODSIM99, International Congress on Modelling and Simulation*, Oxley, L., Scrimgeour, F., & Jakeman, A., (eds) University of Waikato, Hamilton, New Zealand. Modelling and Simulation Society of Australia and New Zealand Inc., Canberra, Australia, vol. 3, pp. 771–776

Menges, C., & Ahmad, W., (1999) 'Evaluation of AIRSAR data for the classification of vegetation communities in the tropical savannas of northern Australia', *Proceedings 4th North Australian Remote Sensing and GIS Conference*, Darwin, June, CD-ROM #33.

Menges, C.H., van Zyl, J.J., Ahmad, W., & Hill, G.J.E., (1999) 'Classification of vegetation communities in the tropical savannas of northern Australia using AirSAR data', *Pacific Rim AIRSAR Significant Results and Planning Workshop*, Maui, Hawaii, 24–26 Aug.

Menges, C.H., O'Grady, A., & Ahmad, W., (1999) 'Relationships between biophysical parameters and polarimetric AirSAR data in the tropical savannas of northern Australia', *Pacific Rim AIRSAR Significant Results and Planning Workshop*, Maui, Hawaii, 24–26 Aug.

Menges, C.H., Bell, D., Van Zyl, J. J., Ahmad, W., & Hill, G.J.E., (in press) 'Image classification of AirSAR data to delineate vegetation communities in the tropical savannas of northern Australia', *Proceedings of the 10th Australasian Remote Sensing Photogrammetry Conference*, Adelaide 21–25 Aug. 2000.

Pfitzer, K., & Bierwirth, P.N., (in press) 'Using Hymap Airborne Imagery and Field Spectra for the Evaluation of Mine Rehabilitation Success, Captains Flat, NSW', *10th Australasian Remote Sensing and Photogrammetry Conference*, Adelaide, Australia.

Pfitzer, K & Ahmad, W., (1999) 'Remote sensing of a rehabilitated mine site using Modular Airborne Imaging Spectrometer (MAIS) data, Rum Jungle, Northern Territory,' in *Proceedings 4th North Australian Remote Sensing and GIS Conference*, Darwin, Australia, 28–30 June.

Storrs, M.J., Cooke, P.M., Whitehead, P. & Finlayson, C.M. 1999, 'Aboriginal community wetland management in northern Australia', in *Proceedings of the workshop on indigenous people's and local communities' participation in wetland management, 8–9 May 1999, Sao Paulo, Costa Rica*. Global Biodiversity Forum.

Stafford Smith, M., McKeon, G., Buxton, R. & Breen, J. (1999) 'The integrated impacts of price, policy and productivity changes on land use in northern Australia', in *People and Rangelands: Building the Future, Proceedings of the VI International Rangeland Congress*, Eldridge, D., & Freudenberger, D., (eds) Townsville, Australia, vol. 2., pp. 864–866.

Williams, R. J., & Lane, A. (1999) 'Wet season burning as a fuel management tool in wet-dry tropical savannas: applications at Ranger Mine, Northern Territory, Australia', in *People and Rangelands: Building the Future, Proceedings of the VI International Rangeland Congress*, Eldridge, D., & Freudenberger, D., (eds) Townsville, Australia, pp. 972–977.

Woinarski, J.C.Z., and Whitehead, P.J. (in press) 'Introductory remarks: Conservation management at a landscape scale in northern Australia—coping with uncertainty and change', in *Australasian Wildlife Management Society 12th Annual Meeting & Conference*, Darwin, Dec.

** Awarded 'Best of Plenary Session'

Books or Chapters

Andersen, A.N. (2000) 'A global ecology of rain forest ants: functional groups in relation to stress and disturbance, in *Measuring and Monitoring Ant Biodiversity*, Agosti, D., Majer, J.D., & Tennant, L. (eds) Smithsonian Institution Press, Washington, US.

Appleman, A & Hynes, R. (2000) *Desert Uplands Atlas, 2nd Edition* on CD format, Desert Uplands Scheme GIS and Tropical Savannas CRC.

Douglas, M., Finlayson, C.M. & Storrs, M.J., (1998) 'Weed management in tropical wetlands of the Northern Territory, Australia' in *Wetlands in a dry land: Understanding for management*, Williams, W.D., (ed.) Environment Australia, Canberra, pp. 239–251.

Finlayson C.M., Thurtell L., Storrs, M.J., Applegate, R., Barrow, P. & Wellings, P. (1998) 'Local communities and wetland management in the Australian Wet-Dry tropics', in *Wetlands in a dry land: Understanding for management*, (ed.) Williams, W.D., Environment Australia, Canberra, pp 299–311.

James, C. D., Stafford Smith, M., Landsberg, J., Fisher, A., Tynan, R., Maconochie, J. & Woinarski, J. (in press) 'Biograzing—melding off-reserve conservation of native species with animal production in Australian rangelands', *Nature Conservation 5: Conservation in Production Environments: Managing the Matrix*, ed. Craig, J. L., Mitchell, N. & Saunders, D. A., Surrey Beatty and Sons, Chipping Norton, Sydney, pp. 290–300.

Hynes, R. A. (1999) 'Participatory action research for integrated regional development in the Desert Uplands of Queensland,' in *Tertiary Teaching III*, McGinty, S., (ed.) James Cook University Press, Townsville, pp 25–37.

Ludwig, J.A., (1999) 'Disturbance and landscapes: the little things count', in Wiens, J.A., & Moss M.R. (eds) *Issues in Landscape Ecology*, International Association for Landscape Ecology, Guelph, Canada, pp. 59–63.

Ludwig, J.A. & Tongway, D.J., 2000, 'Viewing rangelands as landscape systems', in *Rangeland Desertification*, Arnalds, O., & Archer, S., (eds) *Advances in Vegetation Sciences, Vol. 19*, Kluwer Academic Publishers, The Hague, pp. 39–52

Ludwig, J.A., (in press) 'The impact of disturbances on the sustainability of tropical savanna landscapes: two predictions and three principles', in *Management for Sustainable Ecosystems*, Hale, P., Petrie, A., Moloney, D., & Sattler, P., (eds) Centre for Conservation Biology, University of Queensland, Brisbane, Australia.

Maria Kraatz (in press) *Managing for Savanna Health in the Victoria River District*, Tropical Savannas CRC, 2000, Darwin, 56 pp.

*Williams, J., Keith, D. & Woinarski, J.C.Z. (in press) 'Biodiversity conservation—fire management from remnants to regions', in *Flammable Australia: the fire regimes and biodiversity of a continent*, Bradstock, R., Gill, M. & Williams, J. (eds).

*Woinarski, J.C.Z., and Dawson, F. (in press) 'Limitless lands and limited knowledge: coping with uncertainty and ignorance in northern Australia', in: *Ecology, Uncertainty and Policy: managing ecosystems for sustainability*, Norton, T.W., Handmer, J.W., & Dovers, S.R., (eds) Longmans, London.

Woinarski, J.C.Z. 1999. 'Fire and Australian birds: a review', in *Australia's Biodiversity—responses to fire*, Anon. (ed.) Biodiversity Technical Paper no.1., Environment Australia: Canberra, pp. 55–111.

Woinarski, J.C.Z. 1999. 'Fire and Australian birds: an annotated bibliography', in *Australia's Biodiversity—responses to fire*, Anon. (ed.) Biodiversity Technical Paper no. 1. Environment Australia: Canberra, pp. 113–180.

Reports

Andersen, A.N. & Hoffmann, B. (2000) 'Ant monitoring at Callide Creek Mine, Queensland,' Report to Land Reclamation Services Pty. Ltd.

Andersen, A.N. & Hoffmann, B. (2000) 'Ant monitoring at German Creek Mine, Queensland: 2000 sampling', Report to Capricorn Coal Management Pty. Ltd.

Cook, G.D., Williams, R.J., Ludwig, J.A., & Tongway, D.T., (1999) 'Determinants of land Degradation in Tropical savannas', Final Report to the Land and Water Resources Research and Development Corporation.

Eldridge, S., Fisher, A., & Brock, C. (1999) 'Monitoring impacts of military use and destocking on clay grasslands and woodlands in the Bradshaw Field Training Area,' Report to the Department of Defence, Parks & Wildlife Commission NT, Alice Springs.

Fell, R.F. (1999) *Report on the Future Directions of the NTCA*, Report to the Northern Territory Cattlemen's Association, Tropical Savannas CRC, Darwin

Fisher, A. (1999) 'Conservation assessment of the Mitchell Grasslands in northern Australia,' *Report to Environment Australia*, Parks & Wildlife Commission of the Northern Territory, Darwin.

#Horstman, M. (in press) 'North Kimberley Traditional Owners' Land and Sea Management Planning', Report to the Balangarra and Wunumbal-Gaambera traditional landowners of the North Kimberley, Tropical Savannas CRC, Darwin.

Karfs, R., et al., (2000) 'Satellite-based Range Monitoring in Northern Australia: The Audit Rangeland Implementation Project', Final report to the National Land and Water Resources Audit.

Finlayson, C.M., Storrs, M.J., Hall, R. & Bayliss, B. 1999, 'Management issues for northern Australian wetlands', in *A compendium of information for managing and monitoring wetlands in tropical Australia*, *Supervising Scientist Report 148*, C.M. Finlayson & A.G. Spiers, (eds) Supervising Scientist Group, Jabiru, pp. 143–167.

McGowan, M., Daniel, L. & Fell, R.F. (2000) *Determining priority issues for animal management R, D & E in the sub-tropical-tropical dairy industry*, Report to sub-tropical dairy Program Ltd, University of Queensland, Brisbane.

Mobbs, C.D. & Dovers, S.R. (eds) (1999) '*Social, Economic, Legal, Policy and Institutional R&D for Natural Resources Management: Issues and Directions for LWRRDC*', Land and Water Resources Research and Development Corporation, Occasional Paper 01/99, Canberra.

Mobbs, C.D. & Woodhill, J. (1999) 'CYPLUS: an external perspective,' in *Sustainable Regional Development: final report: an Australia-wide study of regionalism highlighting efforts to improve the community, economy and environment*, Dore, J.G. & Woodhill, J., Greening Australia, Canberra, pp. 141–147, pp. 267-285.

Smith, N.M. (in press) *Not from here: Plant invasions in Aboriginal lands of the Top End*, TS-CRC, Townsville, Qld.

Storrs, M.J. (1999) 'Community wetland management: The Northern Land Council's Top End Indigenous People's Wetlands Program', in *A compendium of information for managing and monitoring wetlands in tropical Australia, Supervising Scientist Report 148*, C.M. Finlayson & A.G. Spiers, (eds) Supervising Scientist Group, Jabiru, pp. 271–278.

Todd, M. (1999) *Ecology of the Star Finch Neochmia ruficauda clarescens and the White-bellied Crimson Finch Neochmia phaeton evangelinae on Cape York Peninsula*, Report to the Cape York Natural Heritage Trust Plan, Canberra, and the Cooperative Research Centre for the Sustainable Development of Tropical Savannas, Darwin.

Williams, R.J., & Lane, A.M., (1999) 'Wet season burning as a fuel management tool at Ranger mine, NT, Australia', *Final Report to Ranger Uranium Mines Pty Ltd on ERA Project No. 4.1*, CSIRO, Darwin, 26 pp.

Depending on permission from the traditional owners, sections of the report will be published in various forms for other land managers and users.

Other Publications

Hoffmann, B.D., (1999) 'Responses of ant communities to dry sulphur deposition from mining emissions' Poster paper, *Ecological Society of Australia*, Fremantle, Sept.

Bowman, D. (2000) 'Savanna carbon: going down the sink?' *Savanna Links*, Issue 14, April–June.

Fensham, R. (2000) 'Nature's bulldozer: tree dieback in the savannas', *Savanna Links*, Issue 14, April–June.

Hutley, L., O'Grady, A., Eamus, D., (1999) 'Study taps into future of water resources' *Savanna Links*, Issue 12, Nov–Dec.

Fraser, F. (1999) Fire, grazing and partridge pigeons, *Savanna Links*, Issue 12, Nov–Dec.

Jacklyn, P. (2000) 'Tropical Savannas: not what they used to be,' *Savanna Links*, Issue 14, April–June.

Macgregor, C. (1999) 'Sustainability Needs a Viable Economy,' *Savanna Links*, Issue 11, Sept–Oct.

Runcie, M. (2000) 'Adventures at Possum Rock' *Nature Australia*, Autumn, April–May.

Runcie, M. (1999) 'Scaly Tales', *Australian Geographic*, Oct–Dec.

Whitehead, P. (1999) 'Is it time to fill the north's empty landscapes?' *Savanna Links*, Issue 11, Sept–Oct.

Woinarski, J., & Catterall, C. (1999) 'From European settlement to the present: A long-term history of change in the bird fauna of Coomooboolaroo, central Queensland', *Savanna Links*, Issue, 11, Sept–Oct.

PhD and Honours Theses

O'Grady, A. (2000) *Patterns of tree and stand water use in the eucalypt open-forests in the savannas of northern Australia*, PhD thesis, NTU. (Contributes to TS-CRC Project 1.2.1 *Water and Carbon Exchange of Savannas*.)

Forner, J. (2000) *The integration of GIS and remote sensing for sustainable management of didjeridu timber species on Jawoyn lands*, Honours thesis, NTU.

Lyons, G. (2000) *Spectral, spatial and temporal analysis of the noxious weed mimosa pigra on the coastal floodplains of the Northern Territory*, Honours thesis, NTU.

Allchurch, J.P., (1999) *Determining the alluvial response to accelerated catchment erosion: The Ord River Basin, Western Australia*, Honours thesis, University of Western Australia. (Contributes to Project 2.3.1 *Integrated Overview of Values, Uses and Modifying Processes in the Ord River's Riparian Zone*.)

Warman, C.S., (1999) *The impact of damming on the fluvial geomorphology of the Lower Ord River, Western Australia*, Honours thesis, University of Western Australia. (Contributes to Project 2.3.1 *Integrated Overview of Values, Uses and Modifying Processes in the Ord River's Riparian Zone.*)