
Dr VIKI CRAMER

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PROFESSIONAL EXPERIENCE

FREELANCE SCIENCE WRITER AND EDITOR – 2016-PRESENT

I write freelance articles, research reports, academic manuscripts, web content and blog articles, particularly in the fields of ecology, conservation and environmental science. I provide substantive editing and copyediting services for scientific, corporate and popular science manuscripts. You can view my online portfolio at <http://www.vikicramer.com.au/portfolio.htm>.

MANAGING EDITOR, CONSERVATION SCIENCE WESTERN AUSTRALIA AND SCIENCE WRITER, DEPARTMENT OF PARKS AND WILDLIFE, PERTH – 2012-2016

I managed the peer-review process, assisted authors with writing and editing their manuscripts, and liaised with the desktop publisher. I wrote, edited and designed the layout of documents to communicate the research undertaken by departmental scientists to regional staff and the public. I wrote a series of scientific manuscripts on research priorities for threatened species in the Pilbara.

FREELANCE SCIENCE EDITOR – 2011-2012

Freelance managing editor of Conservation Science Western Australia, published by the Department of Parks and Wildlife (Western Australia).

RESEARCH FELLOW, UNIVERSITY OF WESTERN AUSTRALIA, PERTH – 2009-2009

Research Fellow in the School of Plant Biology, where I continued my research on ecosystem assembly.

LECTURER IN ENVIRONMENTAL SCIENCE, MURDOCH UNIVERSITY, PERTH – 2006-2008

I taught units environmental restoration, global and regional sustainability, and environmental research methods. I supervised postgraduate students and conducted my own research on: ecosystem assembly on abandoned farmland in Australia and Indonesia; the impact of urban fragmentation on remnant bushland; and management of terrestrial ecosystems in the Ningaloo area.

POSTDOCTORAL RESEARCH FELLOW, SCHOOL OF ENVIRONMENTAL SCIENCE, MURDOCH UNIVERSITY, PERTH – 2000-2005.

I conducted research in the wheatbelt of Western Australia on the risks to remnant vegetation from secondary salinity, the restoration potential of these ecosystems, and ecosystem assembly in old fields after farming was abandoned.

RESEARCH COMMUNICATOR, OFFICE OF RESEARCH AND DEVELOPMENT, CURTIN UNIVERSITY, PERTH – 2000.

CONSERVATION OFFICER (MANAGEMENT PLANNING), QUEENSLAND NATIONAL PARKS AND WILDLIFE SERVICE, CHARLEVILLE – 1993-1994.

EDUCATION

Graduate Certificate In Writing; James Cook University, Townsville, 2009

Doctor Of Philosophy (Plant Ecology And Ecophysiology); University Of Queensland, Brisbane, 1999

Bachelor of Science (Honours I); University of Queensland, Brisbane, 1992

ACADEMIC PUBLICATIONS

BOOKS

Cramer, V.A. and R.J. Hobbs (eds) (2007) *Old Fields: Dynamics and Restoration of Abandoned Farmland*. Island Press, Washington.

JOURNAL ARTICLES

Kobryn, H.T., L.E. Beckley, V. Cramer and D. Newsome (2017). An assessment of coastal land cover and off-road vehicle tracks adjacent to Ningaloo Marine Park, north-western Australia. *Ocean & Coastal Management* 145: 94-105.

Cramer, V.A., M.A. Dzminski, R. Southgate, F.M. Carpenter, R.J. Ellis and S. van Leeuwen (2016) A conceptual framework for habitat use and research priorities for the greater bilby (*Macrotis lagotis*) in the north of Western Australia. *Australian Mammalogy* <https://doi.org/10.1071/AM16009>

Cramer, V.A., K.N. Armstrong, R.D. Bullen, R. Ellis, L.A. Gibson, N.L. McKenzie, M. O'Connell, A. Spate and S. van Leeuwen (2016) Research priorities for the Pilbara leaf-nosed bat (*Rhinonictis aurantia* Pilbara form). *Australian Mammalogy* 38: 149-157.

Cramer, V.A., J. Dunlop, R. Davis, R. Ellis, B. Barnett, A. Cook, K. Morris and S. van Leeuwen (2016) Research priorities for the northern quoll (*Dasyurus hallucatus*) in the Pilbara region of Western Australia. *Australian Mammalogy* 38: 135-148.

Standish, R.J., R.J. Hobbs, M.M. Mayfield, B.T. Bestelmeyer, K.N. Suding, L.L. Battaglia, V. Eviner, C.V. Hawkes, V.M. Temperton, V.A. Cramer, J.A. Harris, J.L. Funk and P.A. Thomas (2014) Resilience in ecology: Abstraction, distraction, or where the action is? *Biological Conservation*, 177: 43-51.

Standish, R.J., V.A. Cramer and R.J. Hobbs (2008) Land-use legacy and the persistence of invasive *Avena barbata* on abandoned farmland. *Journal of Applied Ecology*, 45: 1576-1583.

Hobbs, R.J. and V.A. Cramer (2008) Restoration ecology: interventionist approaches for restoring and maintaining ecosystem function. *Annual Review of Environment and Resources*, 33: 39-61.

Cramer, V.A., R.J. Hobbs, and R.J. Standish (2008) What's new about old fields? Land abandonment and ecosystem assembly. *Trends in Ecology and Evolution*, 23: 104-112.

Lindenmayer, D., R. J. Hobbs, R. Montague-Drake, J. Alexandra, A. Bennett, M. Burgman, P. Cale, A. Calhoun, V. Cramer, P. Cullen, D. Driscoll, L. Fahrig, J. Fischer, J. Franklin, Y. Haila, M. Hunter, P. Gibbons, S. Lake, G. Luck, C. MacGregor, S. McIntyre, R. Mac Nally, A. Manning, J. Miller, H. Mooney, R. Noss, H. Possingham, D. Saunders, F. Schmiegelow, M. Scott, D. Simberloff, T. Sisk, G. Tabor, B. Walker, J. Wiens, J. Woinarski, and E. Zavaleta (2008) A checklist for ecological management of landscapes for conservation. *Ecology Letters*, 11: 78-91.

Standish, R.J., V.A. Cramer, S.L. Wild and R.J. Hobbs (2007) Seed dispersal and recruitment limitation are barriers to native recolonisation of old-fields in Western Australia. *Journal of Applied Ecology* 44: 435-445.

Standish, R.J., V.A. Cramer, R.J. Hobbs and H.T. Kobryn (2006) Legacy of land-use evident in soils of Western Australia's wheatbelt. *Plant and Soil*, 280: 189-207.

Hobbs, R.J., S. Arico, J. Aronson, J.S. Baron, P. Bridgewater, V.A. Cramer, P.R. Epstein, J. J. Ewel, C. A. Klink, A. E. Lugo, D. Norton, D. Ojima, D. Richardson, E. W. Sanderson, F. Valladares, M. Vilà, R. Zamora and M. Zobel (2006) Novel ecosystems: theoretical and management aspects of the new ecological world order. *Global Ecology and Biogeography*, 15: 1-7.

Cramer, V.A. and R.J. Hobbs (2005) Assessing the ecological risk from secondary salinity: a framework addressing questions of scale and threshold responses. *Austral Ecology*, 30: 537-545.

Cramer, V.A., R.J. Hobbs, G. Hodgson, and L. Atkins. (2004) The influence of local elevation on soil properties and tree health in remnant eucalypt woodlands affected by secondary salinity. *Plant and Soil*, 265: 175-188.

Cramer, V.A., R.J. Hobbs, and L. Atkins. (2004) The influence of local elevation on the effects of secondary salinity in remnant eucalypt woodlands: changes in understorey communities. *Plant and Soil*, 265: 253-266.

Morley, S.C., C.D. Grant, R.J. Hobbs and V.A. Cramer (2004) Long-term impact of prescribed burning on the nutrient status and fuel loads of rehabilitated bauxite mines in Western Australia. *Forest Ecology and Management*, 190: 227-239.

Hobbs, R.J., V.A. Cramer, and L.J. Kristjanson (2003) What happens if we can't fix it? Triage, palliative care and setting priorities in salinising landscapes. *Australian Journal of Botany*, 51: 647-653.

Hobbs, R.J. and V.A. Cramer. (2003) Natural ecosystems: pattern and process in relation to local and landscape diversity in southwestern Australian woodlands. *Plant and Soil*, 257: 371-378.

Cramer, V.A. and R.J. Hobbs. (2002) Ecological consequences of altered hydrological regimes in fragmented ecosystems in southern Australia: impacts and possible management responses. *Austral Ecology*, 27: 546-564.

Cramer, V.A., S. Schmidt, G.S. Stewart and P.J. Thorburn. (2002) Can the nitrogenous composition of the xylem sap be used to assess salinity stress in *Casuarina glauca*? *Tree Physiology*, 22: 1019-1026.

Cramer, V.A., P.J. Thorburn and G.W. Fraser. (1999) Transpiration and groundwater uptake from farm forest plots of *Casuarina glauca* and *Eucalyptus camaldulensis* in saline areas of southeast Queensland, Australia. *Agricultural Water Management*, 39: 187-204.

McCosker, J. and V.A. Cramer. (1995) Management planning for national parks in the mulgalands. In: *Ecological Research and Management in the Mulgalands - Conference Proceedings* (eds. M.J. Page & T.S. Beutel), University of Queensland, Gatton College, Australia. pp. 43-50.

BOOK CHAPTERS

Standish, R.J., V.A. Cramer and C.J. Yates (2008) A revised state-and-transition model for the restoration of eucalypt woodlands in Western Australia. In: *New models for ecosystem dynamics and restoration*, eds. R.J. Hobbs and K.N. Suding. Island Press, Washington. pp. 169-188.

Cramer, V.A. (2007) Managing disturbance across scales: an essential consideration for landscape management and design, In: *Managing and Designing Landscapes for Conservation: Moving from Perspectives to Principles*, eds. D. Lindenmayer and R. Hobbs, Blackwell Publishing, Oxford. pp. 376-389.

Hobbs, R.J. and V.A. Cramer (2007) Why old fields? In *Old Fields: Dynamics and Restoration of Abandoned Farmland*, eds. V.A Cramer and R.J. Hobbs, Island Press, Washington. pp. 1-14.

Cramer, V.A. (2007) Old fields as complex systems: new frameworks for describing community assembly and guiding restoration on abandoned farmland. In *Old Fields: Dynamics and Restoration of Abandoned Farmland*, eds. V.A Cramer and R.J. Hobbs, Island Press, Washington. pp. 31-46.

Cramer, V.A., R.J. Standish & R.J. Hobbs (2007) Prospects for the recovery of native vegetation in Western Australian old fields. In *Old Fields: Dynamics and Restoration of Abandoned Farmland*, eds. V.A Cramer and R.J. Hobbs, Island Press, Washington. pp. 286-306.

Hobbs, R.J. and V.A. Cramer (2007) Old field dynamics: regional and local differences, and lessons for ecology and restoration. In *Old Fields: Dynamics and Restoration of Abandoned Farmland*, eds. V.A Cramer and R.J. Hobbs, Island Press, Washington. pp. 309-318.

INVITED PRESENTATIONS

Cramer, Viki, Richard Hobbs and Rachel Standish (2007) Old field dynamics around the world: similarities, differences, and lessons for succession and restoration. Organised symposium 'The success of succession: The development of a fundamental ecological theory and its application in a changing world' at *Ecological Restoration in a Changing World*, Combined meeting of the Ecological Society of America and the Society for Ecological Restoration International, San Jose, California, August 5-10, 2007.

Cramer, Viki (2006) Ecosystems and Ecosystem Processes. Land and Water Australia workshop on 'Vegetation Management and Landscape Design in Australia: From Principles to Practice'. Bowral NSW, 13-17 March 2006.

Cramer, Viki & Richard Hobbs (2002) Australian salinising landscapes as emerging ecosystems. UNESCO/MAB-SCOPE Workshop on 'Emerging Ecosystems', Granada, Spain, 10-13 September 2002.

Cramer, V.A., G.W. Fraser & P.J. Thorburn (1998) Tree water use and root zone salt accumulation in saline farm forest plots in southeast Queensland. I Tree Water Use. In: *Agroforestry over Shallow Water Tables: Impact of Salinity on Sustainability* (ed. P.J. Thorburn), Water and Salinity in Agroforestry Series, Report No. 3, Rural Industries Research and Development Corporation.