

Dr Katinka Ruthrof

Research Associate, ARC tuart (*Eucalyptus gomphocephala*) decline project

Journal Publications and book chapters:

- Close, D. C., **Ruthrof, K. X.**, Turner, S., Rokich, D. P. & Dixon, K. W. (2007) Ecophysiology of species with distinct leaf morphologies: effects of plastic and shade cloth tree guards. *Restoration Ecology*.
- Ruthrof, K. X.** (2004) Invasion by *Eucalyptus megacornuta* of an urban bushland in southwestern Australia. *Weed Technology*, 18, 1376-1380.
- Ruthrof, K. X.**, Loneragan, W. A. and Yates, C. J. (2003) Comparative population dynamics of *Eucalyptus cladocalyx* in its native habitat and as an invasive species in an urban bushland in south-western Australia. *Diversity and Distributions*, 9, 469-484.
- Ruthrof, K. X.**, Yates, C. J. and Loneragan, W. A. (2002) The Biology of *Eucalyptus gomphocephala* DC. (Tuart). In: Tuart (*Eucalyptus gomphocephala*) and Tuart Communities (ed. B.J. Keighery and Longman, V. M.). pp. 108-22. Wildflower Society of Western Australia (Inc.)
- Ruthrof, K. X.** (1997) Improving the success of limestone quarry revegetation. *Cave and Karst Science*, v. 24, 117-125.

Conference Presentations:

- Barber P., **Ruthrof K.**, Archibald R., Behn G., Bougher N., Bowen B., Cai Y., Calver M., Colquhoun I., Dell B., Drake P., Edwards B., Eslick H., Fleming T., Froend R., Harris J., Haswell D., Henson J., Hewison A., Long N., Malcolm A., McCaw L., Scott P., Stone C. Taylor K., Wentzel K. Hardy G. (2007) The severe and disturbing decline of an iconic Mediterranean ecosystem endemic to Western Australia. MEDECOS Conference Proceedings. Perth, Western Australia.
- Ruthrof, K. X.** (2007). Improving the success of limestone quarry restoration: 11 years on. Ecological Society of Australia annual conference. Perth, Western Australia.
- Barber P., **Ruthrof K.**, Archibald R., Behn G., Bougher N., Bowen B., Cai Y., Calver M., Colquhoun I., Dell B., Drake P., Edwards B., Eslick H., Fleming T., Froend R., Harris J., Haswell D., Henson J., Hewison A., Long N., Malcolm A., McCaw L., Scott P., Stone C. Taylor K., Wentzel K. Hardy G. (2007) The severe and disturbing decline of an iconic Mediterranean ecosystem endemic to Western Australia: focus on restoration. Ecological Society of Australia annual conference. Perth, Western Australia
- Ruthrof, K. X.** (2003) Invasive eucalypts: ecology and control. Seminar given at Invasive plants in natural and managed systems: linking science and management in conjunction with the 7th international conference on the ecology and management of alien plant invasions. Nov 3-7 Ft. Lauderdale, Florida, US.
- Ruthrof, K. X.** (2001) Changes in eucalypt abundance in the urban bushland of Perth, Western Australia. Insular Biotas International Conference at the University of Victoria, Wellington, New Zealand.
- Ruthrof, K. X.** (2000) Comparative reproductive phenology of a woody weed (*Eucalyptus cladocalyx*) and two endemic species (*E. gomphocephala* and *E. marginata*) in the degraded urban bushland of Kings Park, Perth, Western Australia. Paper for the Ecological Society of Australia's Conference, La Trobe University, Melbourne.
- Ruthrof, K. X.** (1999) *Eucalyptus cladocalyx*: a woody weed in the urban bushland of Kings Park, Western Australia. Paper for the Post-graduate Student Forum of the Ecological Society of Australia's Conference, Fremantle.

Posters:

Ruthrof, K. X. (1999) Sugar Gum: From Wilderness to Weed. Presented at the Ecological Society of Australia Conference, 'Ecological Connections', Fremantle, Western Australia.

Ruthrof, K. X. (1999) Revegetation of Tuart (*E. gomphocephala*) and Jarrah (*E. marginata*) in Kings Park. Presented at the Kings Park Wild Flower Festival 1999, Botanic Gardens and Parks Authority.

Publications - management plans, reports and bulletins:

Ruthrof, K.X., Barber, P., Bell, T., Scott, P. and Hardy, G. (in prep) Community involvement in tuart health. Bulletin 12 for the Tuart Health Research Group, Murdoch University.

Ruthrof, K.X., Douglas, T., So Thea and Dell, B (in prep.) Restoring degraded woodlands. Bulletin 11 for the Tuart Health Research Group, Murdoch University.

Ruthrof, K.X., Barber, P and Haswell, D (in prep.) Collecting a precious resource. Bulletin 10 for the Tuart Health Research Group, Murdoch University.

Ruthrof, K.X. and Close, D. (2006) Tuart regeneration and restoration. Bulletin 6 for the Tuart Health Research Group, Murdoch University.

Swan River Trust (2006) Draft Healthy Rivers Action Plan. A Draft Action Plan for improving water quality in the Swan Canning river system. Swan River Trust, Perth, Western Australia.

Ruthrof, K. X. (2005) Natural recruitment and canopy restoration research project. Final Report for Botanic Gardens and Parks Authority.

Ruthrof, K. X. (2003) Tuart seedling survival and growth in Yalgorup National Park. Report for the Department of Conservation and Land Management.

Ruthrof, K. X. and Rokich, D. P. (2001) Final Report for the Alcoa-Kings Park Jarrah Tuart Restoration Project. Unpublished Internal Report.

McChesney, C., Mansell-Fletcher, J., Wills, R., Webb, M., Hopper, S., **Ruthrof, K.** and Batty, A. (2000). Bold Park Environmental Management Plan 2000–2005. Botanic Gardens and Parks Authority. Perth, Western Australia.

Publications - other media:

Hardy G., Dell B., Scott P., **Ruthrof, K.** and Barber, P. (in prep) Native Tree Health and Management in the Urban Environment. Kings Park and Botanic Gardens. *For People and Plants. Newsletter of the Friends of Kings Park*

Informative signs for the City of Rockingham (x4) for the Dixon Road Conservation Park, Singleton Beach rest stop, and the Tuart Children's Forest.

City of Mandurah article on Tuart restoration at Ludlow Tuart Forest and Yalgorup National Park (2008). Article outlining the activities of the Tuart Health Research Group and restoration activities.

West Australian article on Tuart research (2008). Article summarising the research of a member of the Tuart Health Research Group.

City of Mandurah Bushy Tales Bushcare newsletter. July 2007. p1. Restoring tuarts in the landscape. Article outlining the methods being used to restore tuarts in the landscape near Mandurah

City of Mandurah Bushy tales Bushcare newsletter. July 2007, p2. Project to preserve tuart in sites near Mandurah. Article summarising the activities of the Tuart Health Research Group

ABC South West (2007) Radio interview: Tuart restoration in Ludlow Tuart Forest. 12th June. Interview outlining the restoration being undertaken in the Ludlow Tuart Forest, and how the public can become involved.

Cockburn Cement (2007) Rare tuarts growing to great heights. Report for community news. Issue No. 13, May.

Australian Geographic. Ruthrof, K. X. and Editorial staff (2000). Perth invaded, by gum. *Australian Geographic*. **57**, 12.

Ruthrof, K. X. (1999/2000). Conservation for the community – a partnership between Kings Park and Alcoa. Kings Park and Botanic Gardens. *For People and Plants. Newsletter of the Friends of Kings Park*. **28**, 1.

Ruthrof, K. X. (1999/2000). From Wilderness to Weed: Sugar Gum Invades Kings Park. Kings Park and Botanic Gardens. *For People and Plants. Newsletter of the Friends of Kings Park*. **28**, 3.

Awards:

2008

Finalist: Thies Riverprize (International)

The Swan River Trust's Healthy Rivers Program was nominated for the as part of the Riversymposium held in Brisbane.

2007

Lifestyle and Environment Award (The Premier's Awards)

For the Swan River Trust's Healthy Rivers Program

This category "recognises outstanding performance and achievement in protecting and enhancing the unique Western Australian lifestyle and ensuring sustainable management of the environment". The award was given for the Trust's achievements in the Healthy Rivers Program, building on the great work of the Swan Canning Cleanup Program.

1999

Special commendation: Poster Presentation

Ruthrof, K. X. Sugar Gum (1999) From Wilderness to Weed Poster. Presented at the Ecological Society of Australia Conference, 'Ecological Connections', Fremantle, Western Australia.

Oral papers and seminars:

Ruthrof, K. X. (2008) Tuart woodland restoration. Seminar for the Plant Science Group, Murdoch University.

Ruthrof, K. X. (2007) Tuart restoration: current research. Seminar for Murdoch University Plant Group.

Ruthrof, K. X. (2005) Environmental Management at the Swan River Trust. Seminar given for SERCUL at the River Restoration workshop.

- Ruthrof, K. X. (2005) Overview of research undertaken for projects: natural recruitment and canopy restoration in Bold Park. Seminar for the Science Review at the Western Australian Ecology Centre.
- Ruthrof, K. X. (2004) Research at BGPA. Seminar given to the Kings Park Friends Orientation Day.
- Ruthrof, K. X. (2004) Natural recruitment and canopy restoration. Seminar given at the third annual Bold Park Research Workshop. Western Australian Ecology Centre.
- Ruthrof, K. X. (2004) Research at BGPA. Seminars (2) given in August for Biology Day at the Zoo, for Year 12 students from around Western Australia.
- Ruthrof, K. X. (2004) Research at Kings Park. Seminar given in June for the Soroptimists International, Joondalup.
- Ruthrof, K. X. (2004) Ecology and control of weeds in Kings Park and abroad. Seminar given to the Friends of Kings Park, Kings Park, Perth.
- Ruthrof, K. X. (2004) Invasive and native eucalypts in Kings Park. Seminar given at the University of Western Australia's Summer School program, Kings Park, Perth.
- Ruthrof, K. X. (2003) Natural recruitment and canopy restoration. Seminar given at the second annual Bold Park Research Workshop. Town of Cambridge.
- Ruthrof, K. X. (2003) Comparative ecology of an invasive eucalypt (*E. cladocalyx*) and two endemic eucalypts (*E. gomphocephala* and *E. marginata*) in an urban bushland in south-western Australia. Seminar given at the University of Western Australia's Summer School program, Kings Park, Perth.
- Ruthrof, K. X. (2002) Feral Eucalypts. Public presentation at the Kings Park Wildflower Festival, Kings Park.
- Ruthrof, K. X. (2002) Natural recruitment and restoration of eucalypt species. Seminar given at the 2002 First annual Bold Park Research Workshop, Town of Cambridge.
- Ruthrof, K. X. (2001) Changes in eucalypt abundance in the urban bushland of Perth, Western Australia. Invited seminar for the Tuart Club at the Botanic Gardens and Parks Authority.
- Ruthrof, K. X. (2001) Comparative ecology of an invasive eucalypt (*E. cladocalyx*) and two endemic eucalypts (*E. gomphocephala* and *E. marginata*) in an urban bushland in south-western Australia. Departmental Seminar, Botany Department, University of Western Australia.
- Ruthrof, K. X. (1998) Changes in the tree canopy cover in Kings Park, Western Australia. Presented for the Western Australian Wildflower Society, Murdoch Branch, Cockburn Wetlands Education Centre, Bibra Lake.
- Ruthrof, K. X. (1998) Changes in the tree canopy cover in the degraded urban bushland of Kings Park, Western Australia. Presented for the Kings Park and Botanic Garden Plant Science Laboratory, Kings Park and Botanic Gardens.

Lectures:

- Environmental Restoration Murdoch University 2007 – Urban bushland restoration
- Conservation Biology UWA 2004-2005 – Environmental weed ecology theory, environmental weed case studies.

Editorial:

Referred papers for:

- Australian Journal of Botany
- Plant and Soil
- Acta Oecologia