

CURRICULUM VITAE - Kevin Tolhurst

1. Personal details

Full name: Dr Kevin Gerard Tolhurst
Born: 11 December 1955 in Melbourne, Victoria
Address: School of Forest and Ecosystem Science
University of Melbourne
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Nationality: Australian
Languages: English

2. Academic record

1996 Doctor of Philosophy, University of Melbourne
(*Commonwealth Forestry Post-graduate Research Award 1987-91*)
1979 Bachelor of Forest Science (Hons.), University of Melbourne
(*Fully sponsored study leave, Forests Commission Victoria*)
1976 Diploma of Forestry, Creswick
(*Fully sponsored studentship, Forests Commission Victoria*)
(*A.L. Benallack Memorial Citizenship Award, 1976*)
(*Woodward Prize for Utilization and Fieldwork, 1976*)

3. Career History

2001- Senior Lecturer, Fire Ecology and Management
1997-2000 Lecturer/Researcher, Fire Ecology and Management
Portfolio Manager, Fire Ecology and Management, Forest Science Centre, 1999
Director, Fire Research Centre (Monash Uni./Uni.Melb. collaborative), 1999
School of Forestry, Institute of Land and Food Resources
University of Melbourne

1993-1997 Principal Scientist, Fire Research and Development
Centre for Forest Tree Technology
Department of Natural Resources & Environment, Victoria

1984-93 Team Leader, Fire Effects Research
Forest Research and Development Branch
Department of Conservation and Natural Resources, Victoria

1982-83	Forest Officer (management, recreation, logging) Alexandra Forest District Forests Commission Victoria
1980-81	Lecturer (Botany, Ecology, Dendrology : University of Melbourne) Division of Education and Research Forests Commission Victoria
1980 (3 months)	Forest Researcher (flora) Division of Education and Research Forests Commission Victoria
1978-79	Full time student (B. For. Sc., University of Melbourne) Forests Commission Victoria
1977	Forest Assessor (timber, landscape, vegetation) Management Division, Assessment Branch Forests Commission Victoria

4. Selected Achievements

- Expert witness to the Wangary Coronial Inquiry, South Australian Coroner's Court (2007).
- Briefing of the Environment and Natural Resources Committee of the Victorian Parliament with respect of the Victorian 2007 Bushfire Inquiry, both in Parliament House and in the field (July and August 2007).
- David Ashton Biodiversity Award, 2005. *"For outstanding achievement in furthering the understanding, conservation or management of Victoria's biodiversity"*. Presented by Prof. Lyndsay Neilson, Secretary, Department of Sustainability and Environment, Victoria. December 2005.
- Victorian Parliamentary Briefing – Bushfires, Thursday 20 March 2003, 12:30 to 13:30, Victorian Legislative Council Committee Room. What we know about Bushfires and what we need to know - Prescribed Burning and Environmental Issues (Invited speaker)
- Assisting in the development of a National Fire Danger Rating System for South Africa in 1999/2000.
- Initiated and coordinated the Wombat Forest fire effects multidisciplinary project and produced a major report on the study in 1992.
- Authored or co-authored 132 reports and scientific papers covering a wide range of fire and ecology topics.
- Was the primary author of the Australian Forestry Council's statement on "Public Land Fire Management".
- Provided expert evidence to the Coronial Inquiry in the Creswick Fire of 1997 and the Linton Fire of 1998.
- Developed and arranged commercial production of the T-H Fine Fuel Moisture Meter. (Provisional Australian Patent PO-0193)
- Developed a new subject for B.For.Sci., 3rd year called "Landscape Ecology and Management, 211-301"
- Redeveloped "Fire Management 211-359" into "Fire Ecology and Management 211-359"
- Co-authored and brokered submission for a "Cooperative Research Centre for Bushfires" in the 2000 round of applications to AusIndustry.
- Major strategic role in the 2003 wildfires in SE Australia.

5. Service to the profession

- 2006- Member, Environmental Audit Committee, Environment Protection Authority, Victoria.
- 2005- Member of Scientific Advisory Committee for the Fire Ecology Working Group, Department of Sustainability and Environment, Victoria
- 2005 Member of Scientific Advisory Committee for the Review of the “Code of Fire Management Practice on Public Land” in Victoria.
- 2003- Member of Significant Tree Committee, Victoria
National Trust of Australia
- 2003- Member of Forest Fire Management Group
Forestry and Forest Products Committee
- 1985- Member of Research Working Group No. 6 (Fire Management)
Australian Primary Industries Ministerial Council / Natural Resource Management Ministerial Council
Chairman from December 1992 - September 1995
- Ongoing Scientific review of reports for *Australian Forestry*, *International Journal of Wildland Fire*, *Forest Ecology and Management*, ANU PhD Thesis
Latrobe University Botany School Honours Thesis, University of Melbourne
Forest Science 4th year Projects, University of Melbourne M.Envir.Sc. Thesis (School of Botany) *CALMScience*, *Bracken Biology and Management*, *Biological Conservation*, *Journal of Environmental Management*, *Australian Journal of Botany* and others.

6. Membership of Scientific Societies

Institute of Foresters of Australia
Victorian Field Naturalist Club
International Association of Wildland Fire
Ecological Society of Australia
Royal Society of Victoria

7. Publications

Books / Chapters

- Tolhurst, K.G. (2004) Black Friday, The Aftermath – The Scientists: Kevin Tolhurst. **In:** Fahy, Moira (Producer) Black Friday, <http://abc.net.au/blackfriday/aftermath/ktolhurst.htm>. Australian Broadcasting Commission - Film Victoria Multimedia Production
- San-Miguel-Ayanz, J., Carlson, J.D., Alexander, M., Tolhurst, K., Morgan, G., Sneeuwjagt, R., and Dudfield, M. (2003) *Current Methods to Assess Fire Danger Potential*. **In:** Chuvieco, E. (ed.) *Wildland Fire Danger Estimation and Mapping – The Role of Remote Sensing Data*. Volume 4, Series in Remote Sensing. World Scientific Publishing Co. Pty. Ltd., Singapore. Chapt.2. Pp. 21-61. ISBN 981-238-569-X. (Australian contribution, 20%)
- Tolhurst, K.G. and Cheney, N.P. (1999) *Synopsis of the Knowledge Used in Prescribed Burning in Victoria*. Dept. Natural Resources and Environment, Victoria. 97pp. ISBN: 0 7311 4446 5. (Senior author, 80% of contribution)
- Tolhurst, K.G. (1996) Management and Ecology of Bracken (*Pteridium esculentum*) in South-eastern Australian Forests. Ph.D. Thesis, School of Forestry and Resource Conservation, University of Melbourne.

Tolhurst, K.G., Flinn, D.W., Loyn, R.H., Wilson, A.A.G. and Foletta, I.J. (1992) Ecological effect of fuel reduction burning in a dry sclerophyll forest: a summary of principal research findings and their management implications. Dept. Conserv. and Environ., Victoria. 52pp. ISBN 0 7306 3076 5 (Senior author, 75%)

Tolhurst, K.G. (1990) Response of bracken to low intensity prescribed fire in open eucalypt forest in west-central Victoria. **In** Thomson, J.A. and Smith, R.T. (eds.) *Bracken Biology and Management*, Aust. Inst. Ag. Science, Sydney. Pp. 53-62. ISBN 0 85856 096 8

Peer Reviewed Papers

Meyer, C.P., Black, R.R., Tolhurst, K.G., McCaw, L., Cook, G., Symons, R. and Mueller, J.F. (2007) Emission of dioxins from bush fires in Australia. *Organohalogen Compounds*, **69**, 307-310. (Fuel, fire behaviour, experimental design, field implementation, 10%)

Meyer, C.P., Black, R.R., Tolhurst, K.G., McCaw, L., Cook, G., Symons, R. and Mueller, J.F. (2007) An emission budget for dioxins from crop and bush fires in Australia. *Organohalogen Compounds*, **69**, 2419-2422. (Fuel, fire behaviour, experimental design, field implementation, 10%)

Tolsma, A.D., Read, S. and Tolhurst, K.G. (2007) Comparing carbohydrate storage strategies in plants from sub-alpine and Mediterranean ecosystems. *Aust. J. Bot.* **55**, 771-779.

Sandell, P., Tolhurst, K.G., Dalton, J., Scott, B. and Smith, M. (2006). Fire management prescriptions for the Victorian Mallee Parks. *Proceedings of the Royal Society of Victoria*, 118(2), 395-412. ISSN: 0035-9211. (Fire, fuel, prescriptions, key author, 60%)

Tolhurst, K.G., Anderson, W.R. and Gould, J. (2006) Woody fuel consumption experiments in an undisturbed forest. V International Conference on Forest Fire Research, Figueira da Foz, Portugal, 27-30 November 2006. *For. Ecol. Management* **234S**: S108 (145) (abstract only, full paper D128_94 in conference proceedings 14 pp.). (Senior author, 50%)

Tolhurst, K.G., Chong, D.M. and Strandgard, M.N. (2006) Wildfire risk management model for strategic management. V International Conference on Forest Fire Research, Figueira da Foz, Portugal, 27-30 November 2006. *For. Ecol. Management* **234S**: S211 (238) (abstract only, full paper H267-137 in conference proceedings 15 pp.). (Senior author, 90%)

Bell, T., Tolhurst, K. and Wouters, M. (2005) Effects of fire retardant Phos-Chek on vegetation in eastern Australian heathlands. *Int. J. Wildland Fire*, **14**, 119-211. (Inception, design, analysis, 20%)

Culvenor, D.S., Coops, N.C., Preston, R. and Tolhurst, K.G. (1998) A spatial clustering approach to automated tree crown delineation. **In**: *Proceedings Automated Interpretation of High Spatial Resolution Digital Imagery for Forestry*. Victoria, British Columbia, Pp.67-80. (Supervisor, 10%)

Tolhurst, K.G. and Chatto, K. (1996) Behaviour and threat of a plume driven bushfire in west-central Victoria, Australia. Proc. 13th Conference on Fire and Forest Meteorology, Lorne, Victoria, Australia, 28 - 31 October 1996. 15pp, in press. (Senior author, 75%)

Tolhurst, K.G. (1995) Fire from a plant, animal and soil perspective: sensible heat measurement. *CALMScience Supplement* **4**, 45-58. Dept. Conservation and Land Management, Western Australia.

Neumann, F.G., Collett, N.G. and Tolhurst, K.G. (1995) Coleoptera in litter of dry sclerophyll eucalypt forest and the effects of low-intensity prescribed fire on their activity and composition in west-central Victoria. *Aust. For.* **58**(3), 83-97. (Fire component, 10%)

Tolhurst, K.G. and Burgman, M. (1994) Simulation of bracken cover in forested areas in Victoria in response to seasonal, overstorey and fire conditions. *Aust. J. Ecol.* **19**, 306-318. (Senior author, 90%)

- Collett, N.G., Neumann, F.G. and Tolhurst, K.G. (1993) Effects of two short rotation prescribed fires in spring on surface-active arthropods and earthworms in dry sclerophyll eucalypt forest of west-central Victoria. *Aust. For.* **56** (1), 49-60. (Fire component, 10%)
- Tolhurst, K.G. and Turvey, N.D. (1992) Effects of bracken (*Pteridium esculentum* (Forst. F.) Cockayne) on eucalypt regeneration in west-central Victoria. *For. Ecol. Manage.* **54**, 45-67. (Senior author, 90%)
- Tomkins, I.B., Kellas, J.D., Tolhurst, K.G. and Oswin, D.A. (1991) Effects of fire intensity on soil chemistry in a eucalypt forest. *Aust. J. Soil Res.* **29**: 25-47. (Experimental and discussion, 15%)
- Neumann, F.G. and Tolhurst, K.G. (1991) Effects of fuel reduction burning on epigeal arthropods and earthworms in dry sclerophyll eucalypt forest of west-central Victoria. *Aust. J. Ecol.* **16**: 315-30. (Fire component, 15%)
- Loyn, R.H., Fagg, P.C., Piggin, J.E., Morton, A.G. and Tolhurst, K.G. (1983) Changes in composition of understorey after harvesting eucalypts for pulpwood and sawlogs in East Gippsland. *Aust. J. Ecol.* **8**, 43-53. (Final assessment, data analysis, first draft, 50%)

Journal and Conference Papers

- Tolhurst, K.G., Chong, D.M., Pitts, A. (2007) Phoenix – a dynamic fire characterization simulation tool. Paper presented to the Bushfire CRC Fire Behaviour Workshop, Hobart, Tasmania, September 2007. 24pp.
- Slijepcevic A., Tolhurst, K.G., Saunder, G., Whight, S., and Marsden-Smedley, J. (2007) A prescribed burning risk assessment tool. AFAC Conference, Hobart, Tasmania, September 2007. 5pp.
- Tolhurst, K.G. (2007) Bushfires in a Heating World – Learning from the Ecological Evidence. Keynote address presented to: Nature Conservation Council of NSW, 6th Bushfire Conference, “*Bushfire in a Heating World*”, Centenary Lecture Theatre, St Leonards, North Sydney, NSW. 31st May – 1 June 2007. 10pp.
- Tolhurst, K.G. (2007) Lessons we cannot fail to learn from landscape-scale fires. *Australian Forest Grower*, **30**(1), 23-25.
- Tolhurst, K.G. (2006) “Fuel for the Tinderbox”. *The Australian Literary Review*, *The Australian*. Book review and commentary. Page 3. 2000 words.
- Tolhurst, K.G., Anderson, W.R. and Gould, J. (2006) Woody fuel consumption experiments in an undisturbed forest. V International Conference on Forest Fire Research, Figueira da Foz, Portugal, 27-30 November 2006. (D.X. Viegas (ed.), ADAI Uni. Coimbra.) 14pp. Elsevier.
- Tolhurst, K.G., Chong, D.M. and Strandgard, M.N. (2006) Wildfire risk management model for strategic management. V International Conference on Forest Fire Research, Figueira da Foz, Portugal, 27-30 November 2006. (D.X. Viegas (ed.), ADAI Uni. Coimbra.) 15pp. Elsevier.
- Meyer, C., Muller, J., Beer, T., Tolhurst, K., McCaw, L., Cook, G., Ivory, A., Mobbs, C. (2005) Dioxin emissions from broad scale biomass burning in Australia. **In:** Towards a new agenda: 17th International Clean Air & Environment Conference proceedings, Hobart Clean Air Society of Australia and New Zealand. (http://www.dar.csiro.au/publications/meyer_2005a.pdf) (Experimental design, field data collection, 10%)
- Tolhurst, K.G., Strandgard, M., Chong, D and Wild, I. (2005) What are the odds? A Bushfire Risk Management Model. Poster and abstract. Joint Australasian Fire Authorities Council and Bushfire CRC annual conference, Auckland, New Zealand, 6-7 October 2005.

- Tolhurst, K.G. (2004) Changing our perceptions of fire in the environment. Paper presented to National Conference of Parliamentary Environment and Public Works Committees, 11-14 July, 2004. Cumberland Resort, Lorne, Victoria. 8pp.
- Tolhurst, K.G. and Clark, L. (2004) Development of a bushfire management business model. Paper presented to the 1st Bushfire CRC Annual Conference, Perth. October 2004. 12pp.
- Tolhurst, K.G. (2004) Ecological impacts of fuel reduction burning in a mixed eucalypt foothill forest. 11th Annual AFAC Conference and Inaugural Bushfire CRC Conference, 7-9 October 2004, Perth, Western Australia. Pp 26-32 of proceedings.
- Tolhurst, K.G. (2004) The Effects of Fuel Reduction Burning on the Fire Intensity and Control of the 2003 Alpine Fire in Victoria. Paper presented to Bushfire 2004, Australasian Bushfire Conference, 25-27 May, 2004, Adelaide, Australia.
- Tolhurst, K.G. (2003) Impact of Climate Change on Forest Fire Size and Severity. Paper presented to: Climate Impacts on Australia's Natural Resources: Current and Future Challenges. Crowne Plaza, Surfers Paradise, 25-27 November 2003. Standing Committee on Natural Resource Management – Managing Climate Variability Program. Pp. 36-38.
(www.longpaddock.qld.gov.au/ClimateChanges/pub/CrownePlaza.html)
- Tolhurst, K.G. (2003) The 2003 alpine fires that we had to have. *Australian Forest Grower* **26**(3), 28-29.
- Tolhurst, K.G. and MacAulay, A.S. (2003). SAROS - A Model For Predicting The Effect of Mass Spotting On Rate of Spread of Forest Fire. 3rd International Wildland Fire Conference and 10th Annual AFAC Conference, 2-6 October 2003, Sydney, Australia. 10pp. (Senior author, 80%).
- Tolhurst, K.G. and Howlett, K.A. (2003) House Ignition Likelihood Index - An Hazard Assessment Method for Land Managers in the Wildland-Urban Interface. 3rd International Wildland Fire Conference and 10th Annual AFAC Conference, 2-6 October 2003, Sydney, Australia. 10pp. (Senior author, 90%).
- Shields, B.J. and Tolhurst, K.G. (2003) A Theoretical Framework for Wildfire Risk Assessment. 3rd International Wildland Fire Conference and 10th Annual AFAC Conference, 2-6 October 2003, Sydney, Australia. 10pp. (Technical input and review, 20%).
- Tolhurst, K.G. (2003) Bushfire Behaviour – interactions with fuels, weather, topography and the fire itself. Australian Academy of Technological Sciences and Engineering, Western Australian Division. Seminar on Living with Bushfire in the Southwest of WA – Science, Risk Management and Community Perceptions. Pp.12-13, abstract only. Invited Speaker.
- Tolhurst, K.G. (2003) Prescribed burning in Victoria: Policy and practice. “Bushfire Prevention: Are We Doing Enough?” Conference, Institute of Public Affairs, 401 Collins St, Melbourne. Tuesday, 11 March 2003. 15pp. (Sole author 100%)
- Tolhurst, K.G. (2002) Guidelines for Ecological Burning in Foothill Forests of Victoria: Mt Cole Case Study. In Natural Resources and Environment, Victoria, Management of Fire for the Conservation of Biodiversity, Workshop Proceedings, Second Series, Oct-Nov 2000. Pp. 21-45.
- Tolhurst, K.G. and Friend, G.R. (2001) An objective basis for ecological management. Australian Bushfire Conference, 3-6 July 2001, Christchurch N.Z.. Pp. 220-228. (Principal author, 90%).
- MacAulay, A.S. and Tolhurst, K.G. (2001) Using computer simulation to determine the effects of short distance spotting on head fire rate of spread. Australian Bushfire Conference, 3-6 July 2001, Christchurch N.Z.. Pp. 334-338. (Concepts, supervision and interpretation, 20%)
- McCarthy, G.C, Tolhurst, K.G. and Wouters, M. (2001) Firefighting resources for suppression conditions in Victoria. Australian Bushfire Conference, 3-6 July 2001, Christchurch N.Z.. Pp. 339. (Poster abstract) (Project design, supervision and data analysis, 25%)

- Valianatos, O.D., Physick, B., Tolhurst, K.G., and Billing, P. (2001) Application of the air quality dispersion model TAPM for the dispersion of smoke: first validation trials and sensitivity analysis to input data. Australian Bushfire Conference, 3-6 July 2001, Christchurch N.Z.. Pp. 84. (abstract only). (Project supervision, 10%)
- Valianatos, O.D., Physick, B., Billing, P. and Tolhurst, K.G. (2001) Contributions of PM10 concentrations from the King Island (Tasmania) wildfire during a smoke haze episode in Melbourne. Australian Bushfire Conference, 3-6 July 2001, Christchurch N.Z.. Pp. 85. (abstract only). (Project supervision, 10%)
- Tolhurst, K.G. (2000) Fire Research Needs for the Next Decade and Beyond. Paper presented to a public seminar "*Fire in the Hills - Bushfire Science for Hilly Areas*" at the Shire of Yarra Ranges council chamber, Lilydale, 5th April, 2000. Joint Monash Univ. and University of Melbourne Fire Research Centre.
- Tolhurst, K.G. (2000) A Review of Fire Danger Rating Systems. Paper presented to the National Fire Danger Rating System working group workshop, Pretoria, South Africa, March 2000.
- Tolhurst, K.G. (1999) Fire Investigation - the underlying science. Paper presented to a public seminar "*Investigating Fires - How science helps the fire detectives*" at the Royal Society of Victoria, 18th November, 1999. Joint Monash Univ. and University of Melbourne Fire Research Centre.
- Tolhurst, K.G. and McCarthy, G.J. (1999) Effective and efficient fuel assessment in rural environments - the quiet revolution. Paper presented to 6th Annual Conference, Australasian Fire Authorities Council, 15th-17th October 1999, Melbourne. 7pp. (Senior author, 90%)
- Tolhurst, K.G. (1999) Towards ecologically Sustainable Fire Management. Poster presented to the National Academies Forum, "*Fire! The Australian Experience*". University of Adelaide, 30 Sept - 1 October 1999.
- Tolhurst, K.G. (1999) Using Complexity Theory to Simplify Bushfire Fuel Assessment. Poster presented to the National Academies Forum, "*Fire! The Australian Experience*". University of Adelaide, 30 Sept - 1 October 1999.
- Tolhurst, K.G. and McCaw, L.W. (1999) Fire Management Systems - Forests for Wood Water and Biodiversity. Paper presented to the Australian Bushfire Conference, "*Bushfire '99*" 7-9th July 1999, Albury, Australia. (Senior author, 85%)
- Tolhurst, K.G. (1999) Fire Danger Rating Systems in Australia - Development, Strengths and Weaknesses. Paper presented to the South African Fire Danger Rating Conference, Pretoria, South Africa, April 1999.
- Tolhurst, K.G. (1999) Towards the implementation of ecologically based fire regimes in the Grampians National Park. **In:** Friend, G., Leonard, M., MacLean, A., and Sieler, I. (eds) "*Management of Fire for the Conservation of Biodiversity*". Workshop Proceedings, May 1999, Dept. Natural Resources and Environment, Victoria and Parks Victoria. Pp.30-38.
- Tolhurst, K.G. (1999) The Fire Effects Research Program: Wombat State Forest. **In:** Friend, G., Leonard, M., MacLean, A., and Sieler, I. (eds) "*Management of Fire for the Conservation of Biodiversity*". Workshop Proceedings, May 1999, Dept. Natural Resources and Environment, Victoria and Parks Victoria. Pp.22-28.
- Tolhurst, K.G. (1999) Development of ecologically based fire regimes. **In:** Friend, G., Leonard, M., MacLean, A., and Sieler, I. (eds) "*Management of Fire for the Conservation of Biodiversity*". Workshop Proceedings, May 1999, Dept. Natural Resources and Environment, Victoria and Parks Victoria. P.29.
- Tolhurst, K.G. (1998) Effects of repeated low-intensity prescribed fire on the understorey of dry sclerophyll forest in south-eastern Australia. **In** *Forest Fire Research Vol.II*, Viegas, D.X. (ed.)

- Proceedings of the 3rd International Conference on Forest Fire Research / 14th Fire and Forest Meteorology Conference, 16-20 November 1998, Luso, Portugal. Pp. 1767-1776.
- Tolhurst, K.G. (1997) Use of plant species vital attributes and fire history to manage fire in the Grampians National Park, Victoria. Paper presented to Ecological Society of Australia Conference, 1-3 October 1997, Charles Sturt University, Albury NSW. Page 91 (abstract only).
- Tolhurst, K.G. (1997) Response of bracken in forest environments to spring and autumn prescribed fire. **In:** McKaige, B.J., Williams, R.J. and Waggitt, W.M. (compilers) *Bushfire '97*, Proceedings of the Australian Bushfire Conference, 8-10 July 1997, Darwin. Pp. 168-173.
- McCarthy, G.C. and Tolhurst, K.G. (1997) Effectiveness of firefighting first attack operations, Department of Natural Resources and Environment, Victoria, 1991/92 - 1994/95. **In:** McKaige, B.J., Williams, R.J. and Waggitt, W.M. (compilers) *Bushfire '97*, Proceedings of the Australian Bushfire Conference, 8-10 July 1997, Darwin. Pp. 200 - 205. (Data analysis and interpretation, 40%)
- Tolhurst, K.G. (1996) Fire management for species conservation in the Grampians - A case study. Presented to "Fire in Conservation" Seminar, 14 November, 1996, Heidelberg, Victoria. Greening Australia, Victoria.
- Meyer, C.P., Tolhurst, K.G., Galbally, I.E., Tomkins, I.B., Wang, Y-P. and Weeks, I.A. (1996) The seasonal exchange of greenhouse gases from a southern eucalypt forest. Proc. 13th International Clean Air and Environment Conference, Adelaide, 23-25 September, 1996. 8pp. (Experimental design and data interpretation, 15%)
- Tolhurst, K.G. (1995) The effect of climatic factors on the recovery of vegetation after fire in a mixed species eucalypt forest in Victoria. **In** Proc. *Bushfire '95*, Australian Bushfire Conference, 27-30 September 1995, Hobart, Tasmania. Forestry Tasmania, Parks and Wildlife Service, Tasmania Fire Service.
- Tolhurst, K.G. (1995) Effects of fuel reduction burning on fuel loads in a dry sclerophyll forest. *Fire and Biodiversity: The Effects and Effectiveness of Fire Management*. Proceedings of Conference, 8 - 9 October 1994, Footscray, Victoria. Biodiversity Series, Paper No. 8, Biodiversity Unit, Dept. Environment Sport and Territories, Canberra. Pp. 17-20.
- Tolhurst, K.G. (1995) Effects of fuel reduction burning on flora in a dry sclerophyll forest. *Fire and Biodiversity: The Effects and Effectiveness of Fire Management*. Proceedings of Conference, 8 - 9 October 1994, Footscray, Victoria. Biodiversity Series, Paper No. 8, Biodiversity Unit, Dept. Environment Sport and Territories, Canberra. Pp. 97-107.
- Tolhurst, K.G. (1995) Effects of fuel reduction burning on fauna in a dry sclerophyll forest. *Fire and Biodiversity: The Effects and Effectiveness of Fire Management*. Proceedings of Conference, 8 - 9 October 1994, Footscray, Victoria. Biodiversity Series, Paper No. 8, Biodiversity Unit, Dept. Environment Sport and Territories, Canberra. Pp. 113-121.
- Tolhurst, K.G. (1995) Do forest fires contribute to the Greenhouse Effect? *Eingana* **18**(2), 12-13. Victorian Association of Environmental Education.
- Tolhurst, K.G. (1994) Assessment of biomass burning in Australia - 1983 to 1992. **In** *Agriculture: Workbook for non-carbon dioxide gases from the biosphere*, National Greenhouse Gas Inventory Committee, Dept. Environment, Sport and Territories, Canberra. Pp. 40-65.
- Tolhurst, K.G. (1992) Fire - an ecological catalyst. *Trees and Natural Resources* **34**(4), 13-16.
- Griffith, D.W.T. and Tolhurst, K.G. (1992) Forest fires and greenhouse gas emissions in Victoria. Paper presented to Agriculture and Greenhouse in South-Eastern Australia, Workshop, 18-19 March 1992, CSIRO, Aspendale, Vic. 12 pp. (Fuel and fire component, 35%)

Tolhurst, K.G. (1991) Do forest fires contribute to the greenhouse effect? Research and Development Note, No. 20, Natural Resource Systems Division, Dept. Conservation and Environment, Victoria. 4 pp.

Reports in Series

Meyer, C.P., Beer, T., Mueller, J.F., Gillett, R., Weeks, I., Powell, J., Tolhurst, K., McCaw, L., Cook, G., Marney, D. and Symons, R. (2004). Determination of levels of emissions of dioxins from bushfires in Australia. '*Dioxins Emissions from Bushfires in Australia*', Technical Report No. 1. Department of Environment and Heritage, Australia, May 2004.

Chatto, K. and Tolhurst, K.G. (2004) A review of the relationship between fireline intensity and the ecological and economic effects of fire, and methods currently used to collect fire data. Fire Management Branch, Research Report No. 67, Dept. Sustainability and Environment, Victoria, 20pp. (Concepts, literature, final writing 50%).

Tolhurst, K.G. and Kelly, N. (2003) Effects of repeated low-intensity fire on fuel dynamics in a mixed eucalypt foothill forest in south-eastern Australia. Fire Management, Research Report No. 59, Dept. Sustainability and Environment, Victoria, 22pp

Tolhurst, K.G. (2003) Ecological effects of repeated low-intensity fire in a mixed eucalypt foothill forest in south-eastern Australia - Summary Report (1984-1999). Fire Management, Research Report No. 57, Dept. Sustainability and Environment, Victoria, 86pp. (Management Implications, 20%).

Tolhurst, K.G. (2003) Effects of repeated low-intensity fire on the understorey of a mixed eucalypt foothill forest in South-eastern Australia. Fire Management, Research Report No. 58, Dept. Sustainability and Environment, Victoria, 38pp.

Tolhurst, K.G. and McCarthy, G.J. (2003) An Analysis of the Effects of Previous Fires on the Severity of the 2003 Alpine Fires in Victoria. Fire Management Branch, Research Report No. ??, Dept. Sustainability and Environment, Victoria, 20pp. (Data analysis, writing, 80%). In press.

McCarthy, G.J., Tolhurst, K.G. and Chatto, K. (2003) Determination of sustainable fire regimes in the Victorian Alps using plant vital attributes. Fire Management, Research Report No. 54, Dept. Sustainability and Environment, Victoria, 31pp. (Data analysis, discussion, conclusions, 30%)

Valianatos, O.D., Tolhurst, K., Siems, S., and Tapper, N. (2003) Modelling transport, dispersion and secondary pollutant formation of emissions from burning vegetation using air quality dispersion models. Fire Management, Research Report No. 53, Dept. Sustainability and Environment, Victoria. 38pp. (Experimental design, discussion, conclusions, 15%)

McCarthy, G.J., Tolhurst, K.G. and Wouters, M. (2003) Prediction of firefighting resources for suppression operations in Victoria's parks and forests. Fire Management, Research Report No. 56, Dept. Sustainability and Environment, Victoria, 40pp. (Data analysis, discussion, conclusions, 20%)

McCarthy, G.J. and Tolhurst, K.G. (2001) Effectiveness of broadscale fuel reduction burning. Fire Management Branch, Research Report No. 51, Dept. Natural Resources and Environment, Victoria, 23pp. (Data analysis, discussion, conclusions, 30%)

McCarthy, G.J., Tolhurst, K.G. and Chatto, K. (1998) Overall fuel hazard guide. Fire Management Branch, Research Report No. 47, Dept. Natural Resources and Environment, Victoria, 33pp. (Content, photos, 40%)

Chatto, K. and Tolhurst, K.G. (1997) The development and testing of the Wiltronics T-H Fine Fuel Moisture Meter. Fire Management Research Report No. 46, Department of Natural Resources and Environment. 40pp. (Intellectual content, 40%)

- Tolhurst, K.G. and Chatto, K. (1997) Development, behaviour and threat of a plume-driven bushfire in west-central Victoria. Fire Research Report No.48, Dept. Natural Resources & Environment, Victoria. 21pp. (Methods, design, discussion, conclusions, 75%)
- McCarthy, G.J. and Tolhurst, K.G. (1996) Effectiveness of firefighting first attack operations, Department of Natural Resources and Environment (Victoria), 1991/92 to 1994/95. Fire Management Branch, Research Report No. 45, Dept. Natural Resources and Environment, Victoria, 36pp + appendices. (Design, analysis, interpretation, 40%)
- Humphries, R.K. and Tolhurst, K.G. (1992) The effects of single autumn and spring prescribed fires on *Antechinus stuartii* and *Rattus fuscipes* in Wombat State Forest. **In** Forest Research Report No. 349, Dept. Con. & Env., Victoria. 21pp. (Data analysis, discussion, 35%)
- Tolhurst, K.G. (1992) Climate and growing season in the Fire Effects Study Areas - Wombat State Forest. **In** Forest Research Report No. 349, Dept. Con. & Env., Victoria. 24pp.
- Tolhurst, K.G. (1992) Fire effects study program, Wombat State Forest - Description of sites and experimental design. **In** Forest Research Report No. 349, Dept. Con. & Env., Victoria. 15pp.
- Tolhurst, K.G. and Flinn, D.W. (eds.) (1992) Ecological impacts of fuel reduction burning in dry sclerophyll forest: First progress report. Forest Research Report No. 349, Dept. Con. & Env., Victoria., 384 pp. (Senior author, 90%)
- Tolhurst, K.G. and Oswin, D.A. (1992) Effects of spring and autumn low intensity fire on understorey vegetation in open eucalypt forest in west-central Victoria. **In** Forest Research Report No. 349, Dept. Con. & Env., Victoria. 60pp. (Senior author, 90%)
- Tolhurst, K.G., Kellas, J.D. and Wilson, A.A. (1992) Low intensity fire behaviour and fuel dynamics in dry sclerophyll forest, Wombat State Forest. **In** Forest Research Report No. 349, Dept. Con. & Env., Victoria. 40pp. (Senior author, 85%)
- Tomkins, I.B., Kellas, J.D., Tolhurst, K.G. and Oswin, D.A. (1992) Effects of fire intensity on soil chemistry in a eucalypt forest. **In** Forest Research Report No. 349, Dept. Con. & Env., Victoria. 11pp. (Experimental, analysis and interpretation, 15%)
- Tolhurst, K.G. and Gullan, P. (1987) Vegetation monitoring. **In** F.C. Hamilton (ed.) Monitoring the Ecological Effects of Fire - Workshop. Fire Management Branch, Res. Rep. No. 30, Dept. Conserv. and Environ., Victoria. (Senior author, 70%)

Consultancy Reports

- Tolhurst, K.G. (2007) *Supplementary Report on the Opportunities for Prescribed Burning in the Pemberton Area in 1994 to 2006*. Report commissioned by Mony De Kerloy, Barristers and Solicitors, Perth WA with respect to the case of Southern Properties & Ors versus CALM and ANOR. October 2007, 49pp.
- Tolhurst, K.G. (2006) *Report on the Opportunities for Prescribed Burning in the Pemberton Area in 2004*. Report commissioned by Mony De Kerloy, Barristers and Solicitors, Perth WA with respect to the case of Southern Properties & Ors versus CALM and ANOR. September 2006, 66pp.
- Tolhurst, K.G. (2007) *A Report on the Fire Behaviour Associated with a Near-miss Incident on the Tawonga Gap Road on 10th December 2006*. Report commissioned by Fire and Emergency Management, Department of Sustainability and Environment and Country Fire Authority, Victoria. 12th May 2007, 22 pp. plus supporting videos.
- Tolhurst, K.G. (2007) *Likely origin and path of fires leading to fatalities on Settlers Rd and Borlase Rd on Tuesday 11th January 2005*. Report commissioned by the Crown Solicitor's Officer, Attorney

- General's Department, South Australia for the Wangary Coronial Inquiry. 28th February 2007, 25 pp.
- Tolhurst, K.G. (2007) *Report on the fire spread patterns in the P.Cabot – C.Hull area of the Wangary Fire, Lower Eyre Peninsula, S.A. on Monday 10th and Tuesday 11th January 2005*. Report commissioned by the Crown Solicitor's Officer, Attorney General's Department, South Australia for the Wangary Coronial Inquiry. 8th February 2007, 10 pp.
- Tolhurst, K.G. (2006) *Report on the fire suppression options at the Wangary Fire, Lower Eyre Peninsula, S.A. on Monday 10th January 2005*. Report commissioned by the Crown Solicitor's Officer, Attorney General's Department, South Australia for the Wangary Coronial Inquiry. 1st November 2006, 60 pp.
- Tolhurst, K.G. (2006) *Report on Fire Behaviour at the Fatality Scene on Moyston-Pomonal Road – Mt Lubra Fire, Horsham Fire No.26, January 2006*. 8pp plus A0 fire spread reconstruction map.
- Tolhurst, K.G. (2005) *A Report on Some Aspects of the Dunmore Fire – Portland Fire No.50, 9 April 2005*. Prepared for Department of Sustainability and Environment, Heywood, July 2005, 14pp.
- Tolhurst, K.G. (2005) *Supplementary Report on Beerburum Fire No.48, 1994* for the Supreme Court of Queensland. 19pp.
- Tolhurst, K.G. (2004) *Report on some fire protection measures to achieve a moderate level of risk for the Sheahan property at Reedy Creek*. Report for Liam and Dale Sheahan, Reedy Creek. 19pp. + appendix.
- Meyer, C., Beer, T., and Mueller, J., Gillett, R., Weeks, I., Powell, J., Tolhurst, K., McCaw, L., Cook, G., Marney D & R. Symons (2004) *Dioxin emissions from bushfires in Australia*. National Dioxin Program – Technical Report No. 1. Australian Government, Department of Heritage and Environment, Australia. 179pp. (<http://www.deh.gov.au/industry/chemicals/dioxins/index.html>) (Sample collection, experimental design, data interpretation 10%).
- Tolhurst, K.G. (2004) Report on the condition of fuels in Goobang National Park, NSW. Prepared for GIO General Insurance Law Department with respect to the case of Atkinson & Ors versus the State of New South Wales
- Tolhurst, K.G. (2004) *Beerburum Fire No.48, 6 November 1994 - Area of Ignition, Cause and Initial Spread and the Role of Firebreaks and Fuel Reduction Burning in affecting the Fire's Spread and Control*. Prepared for Crown Law, Queensland Government, Department of Justice and Attorney General. 16pp.
- Tolhurst, K.G. (2004) *Comments on the draft report by N.P. Cheney to the Coroner of ACT concerning the "Origin and Development of the Bushfires that spread into the ACT, 8-18 January 2003"*. Prepared for ACT Government Crown Law Department. 8pp.
- Tolhurst, K.G. (2003) Wesley College - Chum Creek Camp. Fuel Hazard and Bushfire Threat Survey. Report prepared for Wesley College, Melbourne. 8pp.
- Tolhurst, K.G. (2002) Fire Management for Biodiversity in Parks in South-East, South Australia. Consultancy between the Minister of Environment and Heritage, S.A. and Melbourne Enterprises International Ltd.. 105pp. (Senior author, 70%)
- Tolhurst, K.G. (2002) Ecological Implications of the Messent Conservation Park Prescribed Fire, 2 May 2002. Consultancy report to Jeff Wauchope, Manager Operations Support, National Parks and Wildlife, Dept. Environment and Heritage, South Australia, South East Region. 17pp. (Sole author 100%)
- Tolhurst, K.G. (2002) An Operational Review of the Messent Conservation Park Prescribed Fire, 2 May 2002. Consultancy report to Jeff Wauchope, Manager Operations Support, National Parks and Wildlife, Dept. Environment and Heritage, South Australia, South East Region. 20pp. (Sole author 100%)

- Tolhurst, K.G. (2001) Tower Hill Road Fire, Fire No.374, Fingal Forest District, Tasmania, 14th April 1997. Fire Cause, Origin, Path and Behaviour. Report commissioned by Forestry Tasmania. 33pp. (Sole author, 100%)
- Burrows, N.D., Cheney, N.P., Packham, D. and Tolhurst, K.G. (2001) A report to the Coroner of Victoria on the fire behaviour, suppression and safety issues involved in the Linton Fire, 2 December 1998. 30pp. (Contributing author, 30%)
- Tolhurst, K.G., Maughan, D. and Gilmore, M. (2000) Fire Behaviour Report – Supplement. Linton Fire, Midlands Fire#15, (2 December 1998). Fire Behaviour Report. Report Commissioned by Dept Natural Resources and Environment and Country Fire Authority, Victoria. 17pp. (Senior author, 90%)
- Tolhurst, K.G., Maughan, D. and Gilmore, M. (1999) Linton Fire (Midlands Fire#15), 2 December 1998. Fire Behaviour Report: Geelong City and Geelong West Entrapment Site. Report Commissioned by Dept Natural Resources and Environment and Country Fire Authority, Victoria. 17pp. (Senior author, 80%)
- Tolhurst, K.G., Maughan, D. and Gilmore, M. (1999) Linton Fire (Midlands Fire#15), 2 December 1998. Fire Behaviour Report. Report Commissioned by Dept Natural Resources and Environment and Country Fire Authority, Victoria. 32pp. (Senior author, 85%)
- Chatto, K., McCarthy, G.J. and Tolhurst, K.G. (1999) Review of drought index and drought factor in relation to fuel availability and fire behaviour in Victorian Forests. Report Commissioned by Chief Fire Officer, Dept. Natural Resources and Environment, Victoria. 13pp. (Some ideas and review, 10%)
- Tolhurst, K.G. (1998) *Assessment and Recommendations for Fire Management of the Burton-Crees Memorial Trust Inc. Land on the Banksia Peninsula, Gippsland Lakes*. A report commissioned by the Burton-Crees Memorial Trust Inc.. School of Forestry and Resource Conservation, University of Melbourne.
- Tolhurst, K.G. (1998) *Caledonia Fire (Heyfield Fire#31), 31 December 1997. A review of fire behaviour and suppression strategy*. Report Commissioned by Chief Fire Officer, Dept. Natural Resources and Environment, Victoria. 33pp + appendices.
- McCarthy, G.J., Chatto, K. and Tolhurst, K.G. (1998) *Draft Fire Management Plan - Mimosa Rocks National Park*. Prepared for N.S.W. National Parks and Wildlife Service, Narooma District, New South Wales. 28pp + appendices. (Concepts and review, 10%)
- Tolhurst, K.G. (1997) *Assessment and Recommendations for Management of the Chum Creek Camp from a Fire Perspective*. A report commissioned by Wesley College, Melbourne. School of Forestry and Resource Conservation, University of Melbourne. 21pp.
- Hayes, G., Tolhurst, K.G. and Billing, P. (1996) *Taminick Gap Fire: Operational (Safety) Review*. Confidential report prepared for Chief Fire Officer, Department Conservation & Natural Resources, Victoria. 20pp. (Fire component, 35%)
- Chatto, K. and Tolhurst, K.G. (1996) *Inventory of Areas Burnt and Fuels Consumed by Bushfires in Australia, 1983 to 1995*. Prepared for CSIRO Division of Atmospheric Research, Aspendale. Centre for Forest Tree Technology, Heidelberg, Victoria. 14pp. (Format and review, 20%)
- Meyer, C.P., Tolhurst, K.G., Galbally, I.E., Wang, Y-P. Weeks, I.A., and Tomkins, I.B. (1996) *The enhanced emissions of greenhouse gases from soil following prescribed burning in southern eucalypt forest*. Final Report to the National Greenhouse Gas Inventory Committee, Dept. Environment, Sports and Territories, Canberra. 60pp. (Experimental, analysis, review, 20%)
- Tolhurst, K.G. (1996) *Ecologically Based Fire Regimes for the Grampians National Park - An Interim Report on Species Conservation*. Prepared for the National Parks Service, Victoria. Centre for Forest Tree Technology, Heidelberg, Victoria, 8pp + appendices.

- Chatto, K. and Tolhurst, K.G. (1995) *Mt Eccles National Park Fuel Hazard Assessment*. Prepared for the Department of Conservation and Natural Resources, South West Area. Centre for Forest Tree Technology, Kew, Victoria, 14pp. (Modelling and review, 25%)
- McCarthy, G.J. and Tolhurst, K.G. (1995) *An analysis of the suppression options at Chinaman Long Beach fire, Wilson's Promontory National Park, 12 & 13 February 1995*. Prepared for Chief Fire Officer, Dept. Conservation & Natural Resources, Victoria. 35pp. plus appendices. Fire Research and Development Section, Centre for Forest Tree Technology, Kew Victoria. (Concepts, review, 40%)
- Tolhurst, K.G. and Chatto, K. (1995) *Inventory of Areas Burnt and Fuels Consumed by Bushfires in Australia, 1983 to 1994*. Prepared for CSIRO Division of Atmospheric Research, Aspendale. Centre for Forest Tree Technology, Kew, Victoria. 17pp. (Senior author, 60%)
- Tolhurst, K.G. (1994) *Tree Pruning and Growth Around Powerlines in the Ferntree Gully Works Area*. Prepared for the State Electricity Commission of Victoria, Mountain District. Centre for Forest Tree Technology, Kew, Victoria, 18pp.

Journalist Interviews and Articles

- 29/10/2007 "Evacuation vs Prepare, Stay and Defend or Go Early", **ABC Central West NSW (Orange)**, Mornings with Janice McGilchrist. 7 mins.
- 25/10/2007 "Comparison between Californian situation and Australia", **ABC 702 Sydney**, Drive with Richard Glover. 12 mins.
- 24/10/2007 "Comparison between Californian situation and Australia", **3AW (Melbourne)**, Peter Maher, 12 mins. 38 sec..
- 22/10/2007 "Ask the Expert" segment (spotting and house ignition), **ABC 936, Hobart**, Breakfast with Joel Rheinberger, 7 min. 45 sec..
- 15/10/2007 "Prepare for Fires", **Colac Herald**, 100 words.
- 2/10/2007 Interview with Kevin Tolhurst, **ABC 702 Sydney**, 8 minutes. Discussion about "Prepare, Stay and Defend or Go Early"
- 18/9/2007 "Learning to Manage and Prevent Bushfires", **Colac and Corangamite Extra**, 250 words.
- 11/9/2007 "Residents Learn about Bushfire Management", **Ararat Advertiser**, 400 words.
- 14/6/2007 "Not Enough Time to Backburn", **Port Lincoln Times**, 250 words.
www.portlincoln.yourguide.com.au
- 14/6/2007 "What Should Have Been Done?", Jessica Wade. **Port Lincoln Times**, 300 words.
www.portlincoln.yourguide.com.au
- 22/5/2007 "Blacking out was 'appropriate action' on fire ground", Jessica Wade. **Port Lincoln Times**, 200 words. www.portlincoln.yourguide.com.au
- 8/5/2007 "Backburn idea rejected", **Port Lincoln Times**, 100 words.
www.portlincoln.yourguide.com.au
- 3/5/2007 "Victims' lawyer details failures", Jessica Wade. **Port Lincoln Times**, 1400 words.
www.portlincoln.yourguide.com.au
- 24/4/2007 "Breakaway not from backburn", Jessica Wade. **Port Lincoln Times**, 300 words.
www.portlincoln.yourguide.com.au
- 19/4/2007 "Long inquest defended", Jessica Wade. **Port Lincoln Times**, 300 words.
www.portlincoln.yourguide.com.au
- 27/3/2007 "Comments remain privileged", **Port Lincoln Times**, 300 words.
www.portlincoln.yourguide.com.au
- 12/3/2007 "Firestorm", ABC TV, **4 Corners**, Reporter: Quentin McDermott, 45 minutes. Also online forum after program (181 participants).
- 6/3/2007 "Fire inquest adjourned indefinitely", Jessica Wade, **Port Lincoln Times**, 600 words.
www.portlincoln.yourguide.com.au
- 22/2/2007 "Fire inquest to resume in Adelaide", **Port Lincoln Times**, 300 words.
www.portlincoln.yourguide.com.au
- 13/2/2007 "Firefighters do not agree with backburn report", **Port Lincoln Times**, 500 words.
www.portlincoln.yourguide.com.au
- 13/2/2007 "Fire inquest adjourns again", **Port Lincoln Times**, 150 words.
www.portlincoln.yourguide.com.au

- 8/2/2007 “New report blames backburn”, **Port Lincoln Times**, 400 words.
www.portlincoln.yourguide.com.au
- 8/2/2007 “Black Tuesday ‘culprit’ ”, **Australian**, Reported Matt Williams, 250 words.
- 19/1/2007 “Brief lull in Australia’s bushfire hell”, Journalist Rachel Nowak, **New Scientist**, 300 words.
<http://environment.newscientist.com/article.ns?id=dn10991>
- 19/1/2007 “Victoria’s fire rage for 50 days”, Reporter: Samantha Donovan, **ABC radio**, AM program.
Transcript: <http://www.abc.net.au/am/content/2007/s1830013.htm>
- 11/1/2007 “Fiery footage, chilling message”, **The Age**, Green Guide, p.13, 370 sq cm.
- 21/12/2006 The issue of the fire fighting strategy. **ABC radio, Gippsland**, ABC Mornings, Compere: Penny Monger. 5 minutes.
- 15/1/2006 “Bushfire Summer” **ABC TV** 4-part series, 50 minute episodes, ABC Natural History Unit.
- 21/12/2006 The issue of climate change and fire size. **ABC radio, Gippsland**, ABC News. 30 seconds at 0831 hrs.
- 21/12/2006 The importance of fuel reduction burning. **ABC radio, Gippsland**, ABC News, Compere: Mark DeBono, 30 seconds at 0732 hrs.
- 21/12/2006 The issue of climate change and fire size. **ABC radio, Gippsland**, ABC News, Compere: Mark DeBono, 35 seconds at 0631 hrs.
- 12/12/2006 What is special about fires in Victoria, what home-owners can do. **ABC radio**, Gippsland, Statewide Drive, Compere: Kathy Bedford. 10 minutes.
- 11/12/2006 “Fires to merge and burn on the plains”, **The Age**, page 6, 450 sq cm, 359 words.
- 7/12/2006 Issue of local species extinctions. **ABC radio, Gippsland**, ABC News. 35 seconds, at 0831 hrs.
- 7/12/2006 2007 Gippsland fires could be horrendous. **ABC radio, Gippsland**, ABC News, 35 seconds at 0731 hrs.
- 7/12/2006 Issue of local species extinctions. **ABC radio, Gippsland**, ABC News, 35 seconds, at 0631 hrs.
- 6/12/2006 “Ashes yield a story”, **Weekly Times**, page 68, 50 sq cm.
- 28/11/2006 “Breakout not possible from backburn: Farmer”, **Port Lincoln Times**, 200 words.
www.portlincoln.yourguide.com.au
- 28/11/2006 “House saved by pool”, **Port Lincoln Times**, 500 words.
www.portlincoln.yourguide.com.au
- 16/11/2006 “Lincoln data more accurate than Coles Point” **Port Lincoln Times**, 50 words.
www.portlincoln.yourguide.com.au
- 16/11/2006 “Spotfire not from backburn”, **Port Lincoln Times**, 300 words.
www.portlincoln.yourguide.com.au
- 16/11/2006 “Swamp edge put out” **Port Lincoln Times**, 80 words. www.portlincoln.yourguide.com.au
- 9/11/2006 “Firefighters better placed on edge” **Port Lincoln Times**, 100 words.
www.portlincoln.yourguide.com.au
- 9/11/2006 “Fire managers paid in Victoria”, **Port Lincoln Times**, 80 words.
www.portlincoln.yourguide.com.au
- 9/11/2006 “Technology not available in SA”, **Port Lincoln Times**, 80 words.
www.portlincoln.yourguide.com.au

- 9/11/2006 “Two Aircraft Recommended”, **Port Lincoln Times**, 80 words.
www.portlincoln.yourguide.com.au
- 9/11/2006 “Three hours for break-away fires to join”, **Port Lincoln Times**, 150 words.
www.portlincoln.yourguide.com.au
- 9/11/2006 “Wanilla fire originated from backburn: expert”, **Port Lincoln Times**, 200 words.
www.portlincoln.yourguide.com.au
- 9/11/2006 “Firefighters better placed on edge”, **Port Lincoln Times**, 100 words.
www.portlincoln.yourguide.com.au
- 7/11/2006 “Backburn caused breakout: Dr Tolhurst”, **Port Lincoln Times**, 200 words.
www.portlincoln.yourguide.com.au
- 7/11/2006 “Blacking out best option”, **Port Lincoln Times**, 200 words.
www.portlincoln.yourguide.com.au
- 2/11/2006 “Inquest over by Christmas” **Port Lincoln Times**, 100 words.
www.portlincoln.yourguide.com.au
- 3/11/2006 Fire resistant plants. Compere: Jo Spargo, **ABC 936 radio, Hobart**, Afternoon program, 5 minutes 16 seconds.
- 1/11/2006 The issue of the extent of prescribed burning achieved. Compere: Gerard Cullinan, **ABC radio Gippsland**, ABC Morning program – talkback segment, 3 minutes.
- 1/11/2006 Paperwork is limited the extent of prescribed burning. Presenter: Maritia Punchon, **ABC radio, South Western Victoria**, ABC News, 45 seconds.
- 31/10/2006 The need so see fire as a positive force. Presenter: Liz Hobday, **ABC radio, Gippsland**, ABC News. 50 seconds.
- 31/10/2006 The potential dire fire season ahead. Compere: Gerard Callinan, **ABC radio, Gippsland**, ABC Morning program. 11 minutes.
- 25/9/2006 “The issue of broadscale prescribed burning in W.A. and southern Australia”, **ABC 720 radio, Perth**, Compere Geoff Hutchinson, 11min 30sec.
- 18/5/2006 “Greens questioned over preparations”, Ballan News, page 22, 200 words, picture.
- 9/5/2006 “Fire vandals open to strike”, **Melton Leader**, page 41, 100 words.
- 9/5/2006 “Fire vandals open to strike”, **Moorabool Leader**, page 41, 100 words.
- 4/5/2006 “The issues around fire management, fuel reduction and its impacts on the environment ...”, **ABC radio**, Gippsland, ABC Mornings, Compere Gerard Callinan, 8 minutes.
- 17/4/2006 “VC sees Creswick’s research strengths”, **Uni News**, The University of Melbourne, page 3, Vol.15, No.6, 230 x 100 mm including photo.
- 16/2/2006 “Labwatch”, **Sydney Morning Herald**, page 6, 16 February 2006, Stephen Pincock (journalist), 220 words.
- 13/2/2006 Country Hour, **ABC radio**, Compere: Libby Price, 5 minutes.
- 10/2/2006 Rural Report, **ABC radio**, Compere: Jane Barden, 4 minutes
- 26/1/2006 Conversation Hour, **ABC 774 Melbourne**, radio, Compere: Tracy Curro, 3 minutes 46 seconds.
- 3/1/2006 “Scorching heatwaves part of Australia’s climate change trend: scientists”, by Rosslyn Beeby. **Canberra Times**, page 2, 504 words.

- 27/12/2005 Interview: “going bushfires...”, Compere: Tom Elliot, Drive program, **3AW Melbourne** radio, 6 minutes 17 seconds.
- 22/11/2005 “Fire Management”, **Radio 3GG**, Warragul Victoria, News, morning, 22 November 2005
- 14/10/2005 “Bushfire Management Seminar at Halls Gap”, **Wimmera Mail Times**, page 23, 150 words.
- 14/9/2005 “Fired up over burning issue”, **Snowy River Mail**, 14 September 2005. Page 1, main story.
- 29/4/2005 **ABC radio**, Gippsland, Rural Report. “Shifting the focus from emergency management to land management ...”, **5 minutes**
- 28/4/2005 **WIN TV News**, Mildura. “The public must learn to live with fire”. 2 minutes.
- 28/4/2005 **WIN TV News**, Albury. “Pressure on Bracks Government to up anti on controlled burn offs ...”. 1min 50sec.
- 28/4/2005 **WIN TV News**, Bendigo. “Pressure on Bracks Government to up anti on controlled burn offs ...”. 1min 40sec.
- 28/4/2005 **WIN TV News**, Gippsland. “Pressure on Bracks Government to up anti on controlled burn offs ...”. 1min 40sec.
- 15/3/2005 **ABC radio**, Statewide Drive (Kathy Bedford). “3 DSE control burns broke containment lines ...”. 7 minutes.
- 2/3/2005 **Alexandra Eildon Marysville Standard** (newspaper). “Field Nats hosting conference”. Page 4.
- 1/3/2005 “Fire, friend and foe”, Rebecca Thyer, **Forests for Tomorrow** – Forest and Wood Products Research and Development Corporation, Australia. March 2005. Pp. 16-17.
- 11/2/2005 **Sunraysia Daily** (Mildura). “Fire protection methods stand up to scrutiny”. Page 2.
- 11/2/2005 **3HOT FM radio**, Mildura. “Fire protection methods stand up to scrutiny”. 40 seconds.
- 29/2/2004 “Burning Question”, **The Source** – A Magazine by Melbourne Water, Issue 29, February 2004. Pp. 8-9.
- “Study Shows the Way on Forest Management”, **Sunraysia Daily**
- “A 20 year study into prescribed burning in the Wombat Forest has found the bush benefits from low intensity burning.”, **ABC Gippsland Radio News**.
- “Melbourne University study into prescribed burning of bush will lead to better fire management and burning techniques.”, **Gippsland 3GV Radio News**.
- “A 20 year study of fires in the Wombat State Forest ...” **Ballarat WIN TV** State Television News.
- “The Victorian Government has released the findings of 20 years of research ...”, **The Weekly Times**.

Presentations / Field-days

- 10/12/2007 “*Principles of Fire Ecology Management on Public Land in Victoria*”, TAFE Natural Resource Management Providers Network Annual Conference, Swinburne University of Technology, Lilydale. Invited Speaker. ~50 delegates.
- 22-23/11/2007 “*PHOENIX – A dynamic fire characterization simulation tool for Bushfire Risk Management*”. Keynote speaker, Fields Workshop on Disturbances: Modelling Spread in Forests, University of Western Ontario, London, Canada. ~40 delegates.
- 2/11/2007 “*Facing the Risk of Bushfires*”, Guest Speaker, Greening Australia (Lorne) ~35 people.

- 13/10/2007 “Backburning – When, Where and How?” Invited speaker. Control Line 2007 – Strengthening Relations and Sharing Experiences. Annual Bayswater CFA Workshop, Siemens Ltd, Mountain Hwy, Bayswater. ~60 delegates.
- 18-19/9/2007 “*PHOENIX – A dynamic fire characterization simulation tool for Bushfire Risk Management*”. Fire Behaviour Workshop, in association with the joint AFAC – Bushfire CRC annual conference, Hobart, Tasmania. ~150 participants.
- 12/9/2007 “*House Ignition Likelihood*”, Guest Speaker, Greening Australia (Timboon) ~30 people.
- 28/8/2007 “*Learning from Recent Victorian Fires*”, Bushfire CRC Public Forum CRC Stawell, ~60 people.
- 20/8/2007 ENRC Parliamentary Committee (field-day) Wombat State Forest, Bushfire Inquiry
- 16/8/2007 Victorian Association of Forest Industries / Earthwatch, Twilight Discussion: “*How to Reduce Wildfires in Victoria – Ideas Old and New*” ~ 60 people
- 16/7/2007 ENRC Parliamentary Committee, Victorian Bushfire Inquiry, submission and public address, Parliament House, Melbourne.
- 11/7/2007 “*Response of Plants to Fire*”, Guest Speaker, Australian Plants Society, Ballarat District Inc. 40 people, 2030 – 2200 hrs.
- 6/6/2007 “*Learning from Recent Victorian Fires*”, Bushfire CRC Public Forum, Wangaratta, ~60 people.
- 31/5/2007 “*Bushfires in a Heating World – Learning from the Ecological Evidence.*” Keynote address presented to: Nature Conservation Council of NSW, 6th Bushfire Conference, “*Bushfire in a Heating World*”, Centenary Lecture Theatre, St Leonards, North Sydney, NSW. 31st May – 1 June 2007. ~150 delegates.
- 20/4/2007 “*Boosting biodiversity*”, workshop and field-day. Guest Speaker. Ballarat Region Treegrowers, Central Victorian Farm Plantations Inc., Corangamite CMA, Action – Salinity & Water Australia. ~40 participants.
- 9/3/2007 “*Bushfires – Are we listening?*”. Guest speaker, Ballarat Legacy members. 80 people, 1230 to 1400 hrs.
- 7/3/2007 “*Forests, Fires and Fury – the use and abuse of bushfire*”. Guest speaker to The Bookcellar, luncheon meeting group. Post Deng Café, Little Bourke Street, Melbourne. 30 people.
- 6/3/2007 “*Cobboboonee: Where to from here?*” Guest Speaker, Public Meeting called by the Community Consultative Committee for Portland Forest Management Area. Heywood Community Centre. 150 people. 1930 to 2200 hrs.
- 17/12/2006 “*Brisbane Ranges – Out of the Ashes*”, Invited Guest Speaker and field guide, 4 hours, 1400 to 1800 hrs. Landcare and other community Groups. Public Field-day. 100 people, Anakie Gorge.
- 3/11/2006 “*Bushfire, the environment and recovery*”. Invited speaker, 1.5 hours, 1930 – 2100 hrs, Daylesford Fire Station, CFA Community Fireguard public forum, 40 people.
- 29/10/2006 “*Fire behaviour, post fire analysis, recovery of flora and fauna, ecological aspects*”, Guest speaker, 1000 – 1400 hrs, Snake Valley, Community Fireguard Field-day, public forum. 25 people.
- 14/10/2006 “*The Science Behind Fire*”. Invited speaker. 45 minute presentation plus discussion. Public forum, approximately 60 people. Grampians-Gariwerd Advisory Group. 1930-2100 hrs, Theatrette, Brambuk: The National Park and Cultural Centre, Halls Gap.
- 30/9/2006 “*Facing the Risk of Bushfires*”, Educational Seminars, 1330-1400hrs, Royal Melbourne Show.
- 24/5/2006 “*Managing the Australian Alps – What have we learnt from 2003? – Fire Regimes*”, Invited speaker, 1 hour plus workshops. Australian Alps Liaison Committee / IUCN Science Management Workshop, Thredbo, NSW, 23-24 May 2006.

- 12/5/2006 “*Use of Risk Management Modelling in Bushfire Management – Environmental, Economic, Social and Political.*” Invited speaker, Timken Lecture Theatre, University of Ballarat, Mt Helen. 1 hour, 1200 to 1330 hrs, approximately 80 people.
- 4/5/2006 “*Developments in Ecological Use of Fire*”, 1 hour, invited speaker, lunchtime seminar, School of Applied Sciences and Engineering, Monash University, Churchill.
- 21/4/2006 “*Putting Fuel Reduction Burning in Perspective*”, Fire Ecology and Management, Environmental Workshops and Events, Greening Australia/Golden Plains Shire. 5 hours, Smythesdale Community Hall, Smythesdale, Vic.
- 27/3/2006 “*Grampians Fire Impact and Implications*”, 1 hour, Creswick Landcare members, Creswick, Victoria.
- 1/12/2005 “*Links between Fire and Native Flora*”, 1 hour, Community meeting, Department of Sustainability and Environment, Victoria, Heyfield, Victoria
- 1/12/2005 “*Applying Ecological Criteria to Prescribed Burning in Victoria*”, Gippsland Environment Group, Fire Ecology Workshop, Lakes Entrance. 1 hour.
- 30/11/2005 “*Links between Fire and Native Flora*”, 1 hour, Community meeting, Department of Sustainability and Environment, Victoria, Rawson, Victoria.
- 20/11/2005 “*The Science behind Fire Management*”, 1 hour, Community meeting, Department of Sustainability and Environment, Victoria, Blackwood, Victoria.
- 22/10/2005 “*Wombat Fire Effects Study 1984-1999*”, 20 minutes, Fourth Wombat Community Forest Management, Forest Assembly, Daylesford.
- 14/10/2005 “*The Science behind Fire*”, 1 hour, Public Information Night, Parks Victoria, Halls Gap.
- 2/10/2005 “*Sharing information between the Incident Management Team and Operations*”, Professional Development Course, CFA, Bendigo. Sunday 2 October, 2005. 2 hours.
- 6/9/2005 “*The Role of Fire in Ecosystem Processes and its Impacts on Flora and Fauna*”, DSE and Parks Victoria Community Engagement Meeting, Schomberg Hotel, Peterborough, Victoria. 6 September 2005. 1 hour.
- 5/9/2005 “*Fire in the Landscape*”, Wildfire Discussion Night, Far East Gippsland Wildfire Taskforce, Mallacoota, Victoria. 5 September 2005. 1 hour.
- 25/8/2005 “*Fire and Its Effects*”, Fire Ecology and Management, Greening Australia, Anglesea Victoria. 25 August 2005. 1.5 hours.
- 1/6/2005 “*Fire Ecology and Ecological Impact*”, Enfield Forest Alliance Inc. AGM, 1 June, 2005, Ross Creek.
- 28/4/2005 “*Fire Management and the Code of Practice*”, invited presentation, 1 hour, Public Meeting, Wildfire Taskforce Inc, Gippsland, RSL Bairnsdale, 10am to 4.30pm. 100 people.
- 11/4/2005 “*Fire in Australia, selected research and fire management challenges*”, address to the US / Canada Forest Fire Study Tour, DSE Melbourne. 11 April, 2005.
- 12/3/2005 “*Fire In Context*”, South-East Australia Naturalists Association Camp, Alexandra, 12-13 March 2005.
- 6/3/2005 *Brisbane Ranges Environmental Awareness Day – Fire Management*, Sunday 6 March 2005.
- 2/3/2005 “*An interactive bushfire risk management model*”, address to GeoScience Australia, Technical Risk Assessment and Analysis Committee, Canberra. 2 March 2005.
- 23/11/2004 “*Bushfire Risk Management Model*”, presentation to the National Aerial Firefighting Coordinating Committee, Canberra. 23 November 2004.

12/10/2004 “*Fire Impacts on Flora*”, Fire Ecology and Management, Greening Australia, Training Program, 12 October 2004, Heidelberg. 1.25 hours.

12/10/2004 “*Prescribed Burning Techniques*”, Fire Ecology and Management, Greening Australia, Training Program, 12 October 2004, Heidelberg. 1.5 hours.

21/2/2004 “*Setting and Achieving Fire Management Objectives*”, DSE Prescribed Burning Workshop, Benalla. 21 February 2004.

8. Other Significant Professional Services

2007 Fires across Victoria. Provided fire behaviour predictions and advice on suppression strategies.

Inducted three Canadian fire behaviour specialist to fire prediction in Victoria and instructed a number of fire behaviour specialist support staff. Fire behaviour predictions were used for public warning and preparation. A number of backburning operations were modified as a result of the groups' fire behaviour predictions.

Wangary Fire, Eyre Peninsula, SA, 2005. Assisted the SA Government legal team in matters concerning suppression strategies, fire origin and spread (2006/7).

Beerburum Fire of 1994, Queensland. 2004 to 2006. Assisted the Queensland Government in receiving partial compensation for damages caused by a fire starting in private plantation. The estimated damages claim was in the vicinity of \$60million.

2006 Fires across Victoria. Provided fire behaviour predictions and advice on fire suppression strategies.

In the case of the Grampians, assisted in preventing the fire reaching the Dunkeld/Glen Thompson area and burning out about 20,000 ha in the Victoria Range area on 26 January.

Fulham Fire 2005, western Victoria. Provided expert advise on burning out operations to bring the fire under control. Resulted in preventing overlighting of the area and almost certain increase in fire size as a result of escapes, reducing the area burn by a few thousand hectares and several more days in suppression activities.

Address to National Conference of Parliamentary Environment and Public Works Committees, 11-14 July, 2004. “*Changing our perception of fire in the environment.*” Cumberland Resort, Lorne, Victoria. (Invited speaker)

Victorian Parliamentary Briefing – Bushfires, Thursday 20 March 2003, 12:30 to 13:30, Victorian Legislative Council Committee Room. What we know about Bushfires and what we need to know - Prescribed Burning and Environmental Issues (Invited speaker)

Canberra Fires, 2003. Provided expert reports on the fire behaviour and fire behaviour predictions to the ACT Government Solicitor for the ACT Coronial Inquiry.

South-eastern Australian Fires 2003. Written and verbal submission to the Joint House of Representative Select Committee on Bushfires.

South-eastern Australian Fires 2003. Written and verbal submission to the Victorian Bushfire Inquiry, Office of the Emergency Services Commissioner.

North-east Fires, January/February 2003. Provided strategic advice at a local, regional and state levels on fire suppression strategy and community protection. In fires that were the most extensive in 60 years, only 41 houses were lost and no lives were lost directly due the fire. Significant areas of pine plantation were also saved from destruction. Made a significant contribution to the fire management debate on radio, television, newspapers and public forums.

Big Desert, December 2002. Provided fire weather and fire behaviour predictions that were used as a basis for choosing the best possible suppression strategy. This advice resulted in significantly reduced use of dozed fire control lines.

- Sydney Bushfires 2001/02. Provided specialist fire weather and fire behaviour analysis for strategic fire suppression planning at the Bulga fires in the Wollemi National Park. This support resulted in a change in strategy to contain this fire rather than to just reduce property losses.
- Court proceedings of Forestry Tasmania versus Rainbow (2001) Provided an expert report to Forestry Tasmania on the cause, origin, path and behaviour of the fire near Fingal Tasmania, Fire No. 374, 14th April 1997.
- Coronial Inquiry into the Deaths of Five Firefighters at Linton, Victoria. (2001) Formed part of an four member expert panel called by the State Coroner (Graham Johnston) to report on the fire behaviour, suppression strategy, training and safety matters related to the events leading to the fatalities.
- South Africa, 2000. Invited to be part of an international review team investigating the management and impact of the "Cape" fires in South Africa which occurred in January 2000. The review was ordered by the Minister of Water Affairs and Forestry.
- South Africa, 2000. By invitation, provided expert advice to the fire management agencies in South Africa implementing new fire management legislation. In particular, provided advice on the use and development of Fire Danger Rating Systems.
- Mt Difficult Fire, Grampians, Victoria, February 1999. As leader of a technical specialist team, provided fire weather, fire behaviour and fire suppression strategy advice leading to a difficult but successful backburning operation.
- Linton Fire, Ballarat, Victoria, December 1998. As part of an operation review team, undertook a study of the fire behaviour and fire weather conditions leading to the death of five volunteer fire fighters and the entrapment of ten others.
- Prepared a submission (as senior author) to the Tasmanian Parliamentary Inquiry into Forest Fires on behalf of the Institute of Foresters of Australia, May 1998.
- Caledonia Fire, Victoria, January 1998. As leader of a technical specialist team, provided expert fire weather and fire behaviour advice to the Incident Management Team as a basis for the formulation of fire suppression strategies. Caledonia Fire was the largest wildfire in Victoria this decade. This advice resulted in a reduction in the total area burnt by a potential 20,000 ha or more.
- Moora Moora Fire, Grampians, Victoria, April 1995. Provided expert fire behaviour and fire suppression strategy advice to the Incident Management Team suppressing the fire. This advice resulted in a significant cultural and environmental area not being burnt by the fire fighting team.
- Sydney Bushfires, January 1994. As leader of a technical specialist team, provided expert fire weather and fire behaviour advice to the Incident Management Team as a basis for the formulation of fire suppression strategies in the Grose River Fire, Blue Mountains. This support resulted in over 100 km of backburning being achieved in one night which ultimately stopped the spread of the fire.

9. Outside Funding Received January 1998 – December 2007

<i>Funding Body</i>	<i>Purpose</i>	<i>Amount (\$)</i>
Dept Natural Resources & Environment	Fire Research Projects 1998	
Dept Natural Resources & Environment	Caledonia Fire Report, June 1998	
Queensland, DPI	TIDA software, Sept. 1998	
Barton-Crees Trust	Fire Management Consultancy, Oct 1998	
Dept Natural Resources & Environment	Fire Research Projects 1999	
Dept Natural Resources & Environment	Fire Research Projects 1999	
Dept Natural Resources & Environment	Fire Research Projects 2000	
CSIR South Africa	Development of NFDRS	
Dept. Water Affairs & Forestry, S.Africa	Fire Investigations	
Parks Victoria	Workshop presentation	
Parks Victoria	Honours Scholarship (Rinske Poulier)	
Dept. Natural Resources & Environment	M.Sc. Scholarship (Andrew Macaulay)	
Dept. Natural Resources & Environment	Fire Retardant project	
Dept. Natural Resources & Environment	M.Sc. Scholarship (Andrew Macaulay)	
Dept. Natural Resources & Environment	Linton Inquiry consultancy	
State Coroners Office	Linton Inquiry	
Dept. Natural Resources & Environment	M.Sc. Scholarship (Andrew Macaulay)	
Forestry Tasmania	Fingal fire consultancy	
Dept. Natural Resources & Environment	Fire Research Projects 2001	
Dept. Natural Resources & Environment	Fire Research Projects 2002	
Dept. Natural Resources & Environment	Fire Research Projects 2003	
Dept. Natural Resources & Environment	Fire Research Projects 2004	
Bushfire CRC	Risk Management 2004	
ACT Government Solicitors	Canberra Coronial Inquiry	
Crown Law Queensland	Beerburum fire court case	
NSW Government Solicitor	Goobang N.P. court case	
CSIRO Dioxin project	2004	
Dept. Natural Resources & Environment	Fire Research Projects 2005	
Bushfire CRC	Risk Management 2005	
NSW Government Solicitor	Goobang N.P. revised legal report, 2005	
Crown Law Queensland	Beerburum supplementary report 2005	
CSIRO Dioxin project	2005	
Bushfire CRC	Risk Management 2006	
Dept. Natural Resources & Environment	Fire Research Projects 2006	
SA Crown Law Solicitor	Wangary Coronial Inquiry	
Mony de Karoly Solicitors	WA court action	
Bushfire CRC	Risk Management 2007	
Dept. Natural Resources & Environment	Fire Research Projects 2007	
DSE Student Stipend	Industry Based Learning (A. Pitts)	
Uni. Western Ontario	Fields Workshop (Canada)	
TOTAL		1,580,176.83

10. Forest and Fire Experience

My full name is Dr Kevin Gerard Tolhurst. I am employed by the University of Melbourne at the School of Forest and Ecosystem Science, Creswick Campus as a Senior Lecturer in Fire Ecology and Management. I have held this position since 1997.

In 1974, I was awarded a cadetship by the Forests Commission of Victoria to study Forestry. I hold a Diploma of Forestry obtained at the School of Forestry Creswick in 1976, a Bachelor of Forest Science (Hons.) awarded by the University of Melbourne in 1980 and a Doctor of Philosophy awarded by the University of Melbourne in 1996.

After graduating with the Diploma of Forestry, I worked for the Forests Commission of Victoria predominantly involved in environmental and timber assessment of the mountain forests of central Victoria. In 1980, I worked for a short time in East Gippsland studying the vegetation in experimental logging areas. In 1980 and in 1981, I lectured and tutored at the School of Forestry in the University of Melbourne's Bachelor of Forest Science. In 1982 and 1983 I was based in Alexandra in central Victoria, where I was responsible for timber harvesting planning and operations and for recreation management in that Forest District. In 1984, I took up a Fire Research position with the Forests Commission based in Creswick. Here I initiated and managed a major multidisciplinary fire research program based in the foothill forests of Central Victoria. In 1997, I resigned from the Department of Natural Resources and Environment and took up a Fire Ecology and Management teaching and research position with the University of Melbourne.

Between 1974 and 1985, I undertook a wide range of fire related roles and duties as an employee of the forestry department. My roles included being member of firefighter crews, crew leader, sector leader, communications officer, and fire controller. I have attended numerous small wildfires and a number of large fires including fires in the north-east of Victoria in 1979 and 1985, in East Gippsland in 1977 and Central Victoria in 1983. Since that time I have attended a number of major fires in the role of a fire behaviour and fire weather technical specialist. Some recent examples of these are the Sydney bushfires in 1994, the Berringa Fire in 1995, the Moora Moora fire in the Grampians in 1995, the Mt Difficult fire in the Grampians in 1999, the Little Desert fires in 1997, the Caledonia Fire in 1998 and the Creswick Fire in 1997, Sydney bushfires 2001, Big Desert Fire 2002, SE Australian fires 2003, the Victorian fires of 2006 and the "Great Divide Fires" of 2007. My duties as a field Forester and a Fire Researcher has also resulted in me attending a wide range of prescribed fires ranging from high intensity prescribed fires in logging slash to low intensity prescribed fires in foothill forests. My experimental work in the Wombat State Forest requires the repeated application of operational-scale low intensity prescribed fires for which I have had the responsibility.

Since 1979, I have published 133 scientific papers and reports related to fire management. These publications have ranged from information leaflets and articles for the general public to national and international conference papers and scientific papers in international journals. A recent publication is a book titled "*Synopsis of the Knowledge Used in Prescribed Burning in Victoria*" co-authored by Phil Cheney, CSIRO, Bushfire Research and Management.

In my capacity as an expert in the fire science and management field, I have had a number of previous contracts. I played a key role in the development of a national fire danger rating system in South Africa where I was employed to give an international perspective and technical depth to this work. I gave extensive expert evidence to the Linton Coronial Inquiry in Victoria over the period 1999 to 2001. I have also given expert evidence and prepared reports for the ACT Government lawyers on their Coronial submission in 2003 and for Crown Law, Queensland in regard to a major plantation fire which occurred in 1994.

I am currently developing a Risk Management model for Bushfires as part of the Bushfire Cooperative Research Centre. This model looks at the interactions of various aspects of the Bushfire Management

business and the spatial and temporal impacts of fire in the landscape on social, economic and environmental factors.

11. Contributions to Teaching

(a) Scope of participation in teaching activities

Undergraduate courses:

- Coordinator of 220-307 Fire Ecology and Management in the B.For.Sc. course
- 50% contributor of 220-311 Forest Values in the B.For.Sc. course.
- Participate in major excursions.
- There are between 10 and 20 students in each subject.

Postgraduate courses:

- Coordinator of 220-410 Bushfire Planning and Management in the M.For.Eco.Sc. course.
- Coordinator of 220-502 Bushfires and Climate in the M.For.Eco.Sc. course

Supervision of Current Postgraduate and Honours students:

- Ami Hallam (PhD candidate) *The Impacts of Sambar Deer on Forested Ecosystems*. Due Nov 2007.
- Anne Miehs (PhD candidate) *The effect of fire regime on coarse woody debris as habitat and biodiversity conservation in SW Victorian forests*.

Supervision of completed projects:

- Arn Tolsma (PhD) *The Effects of Fire and Grazing, with Particular Emphasis on Physiological Effects and Impact on Grasslands and Alpine Communities*. Completed 2002.
- Andreia de Siqueira (PhD) *Assessing and Managing factors affecting of Fire Danger in Brazil*. Due in Dec 2005.
- Nick Collett (PhD) *Prediction of damaging insect outbreaks in Blue-gum plantations in Victoria*. (Submission due mid-2002) Deferred.
- Andrew Macaulay (M.For.Sci.) *Effect of spotting on the rate of spread of bushfires in eucalypt forests*. Completed 2003.
- Tess Courtney (Honours) *Development of a seedbank assessment method in the Brisbane Ranges N.P.* Completed Nov 2007.
- Naomi Robinson (DSE Graduate Program) *The ecological effect of chained and burnt fire breaks on the edge of the Big Desert National Park*. Completed 2007.
- Rachel Briggs (Honours) *The effect of fire intensity and frequency on habitat trees in the Brisbane Ranges*. Completed Nov 2006.
- Hayden Regan (Honours) *The use of fire in the restoration of grassy woodland in Point Napean National Park*. Completed Nov 2006.
- Robert Morris (Honours) *The effect of fire frequency on the understorey structure and composition in the Brisbane Ranges*. Completed Nov. 2006.
- Nick Guyett (Honours) *Factors affecting the productivity of fire suppression resources in the Grampians wildfire 2006*. Completed Nov. 2006.
- Alex Stubbings (Honours) *The effects of fire on the availability of logs and their hollows as habitat*. Completed October 2003.
- Angus Spreckley (Honours) *Determining the factors affecting the effectiveness of backburning and control lines in the 2003 wildfires*. Completed October 2003.
- Amelia Needoba (Honours) *Developing a method to assess the level of risk to plant populations by a particular fire regime*. Completed February 2004.
- Stephen Rymer (Honours) *Regeneration of chained and rolled firebreaks in the desert heath/mallee*. Completed October 2003.

- Leigh Smith (Honours) *Improving the ecological management process for fire in Victoria*. Delivered December 2002
- Brad Godson (CFA project) *Understanding the occurrence of fire in plantations in Victoria*. First report delivered February 2002.
- Darius Culvenor (PhD) *Automated Tree Delineation from High Resolution Imagery for the Prediction of Forest Structure*. Completed 2001.
- Frith Jarred (Honours) *Monitoring system for ecological burning on public land in Victoria*. Completed in November 2001.
- Jason Laverty (Honours) *Mapping the patchiness of low intensity prescribed fires in NSW*. Deferred in 2001
- Kelly Howlett (Honours) *Evaluation and development of assessment techniques for survival of buildings in fire-prone areas*. Completed October 2000.
- Steve Blake (Honours) *Quantification of the probability and spotting pattern in front of bushfires in eucalypt forest*. Completed October 2000.
- Angus McLean (Honours) *Analysis of the psychology and modes of operation of forest arsonists*. Completed October 2000.
- Joel Mortyn (Honours) *Analysis of the effects of spring and autumn fire regimes on vegetation in the Wombat State Forest*. Completed October 2000.
- Chris Lindorff (Honours) *Towards Ecologically Sustainable Fire Regimes in the Grampians National Park: A Case Study of Heathlands*. Completed December 1999.
- Kathryn Jones (Honours) *Fine Fuel Availability in Low Intensity Prescribed Fires*. Completed October 1999.
- Jennifer Brick (Honours) *Understorey Population Dynamics in the Wombat State Forest Study Area: Poa sieberiana*. Completed October 1999.
- Rinske Poulter (Honours) *The Effectiveness of Post-fire Rehabilitation in Reducing the Impact of Fire Suppression Works*. Completed November 1999.
- Andrew Macaulay (Honours) *When do Spot Fires have a Significant Impact on the Forward Rate of Spread of the Fire Front?*. Completed October 1999.
- Craig Gloury (Honours) *The distribution and edaphic/bioclimatic analyses of summer-flowering Eucalyptus tricarpa*. Completed November 1998.
- Peter Murray (Honours) *Quantitative Analysis of Species Diversity and Effects of Site Variability in the Secondary Dipterocarp Forest at Huay Som Forest Research Station, Northern Thailand*. Completed October 1997.

Provide specialist lectures to professional fire-fighters and fire managers, such as:

- National Fire Behaviour Analyst course for wildfire and prescribed burning fire behaviour predictions. Started August 2007.
- Advanced fire investigations course, coordinated by Dept. Natural Resources and Environment (NRE), attended by about 15 specialists from W.A., N.S.W., Qld., Vic., and S.A., held in Benalla, Victoria, November 1999.
- Advanced fire behaviour prediction course, coordinated by the Country Fire Authority, Victoria, attended by about 40 senior professional CFA fire officers, held at Fiskville, Victoria, September 1999.
- Level 2 Fire Planning Officers Course, coordinated by NRE, attended by about 25 officers, held in Creswick, Victoria.
- Fire Ecology Workshops, coordinated by NRE, attended by about 50 NRE and Parks Victoria officers at each of 5 venues (Mildura, Ballarat, Benalla, Paynesville, Melbourne), September 1998.
- Level 2 Fire Operations Course, coordinated by NRE, attended by about 25 officers, held in Creswick, Victoria, 1998.

(b) Evidence of impact and reputation as a teacher

Additional comments made on the Quality of Teaching assessment by undergraduates indicate the level of impact my teaching has had on these students. In addition, 211-301 Landscape Ecology and Management is an elective subject and more than half of students usually choose to do this subject. This year, 26 of the 30 students have chosen to do this elective. Another indication of my reputation as a teacher is the large number of students wanting to do an honours subject with me. I have had to restrict the number of honours students I take on.

Outside the University, I have received several letters of thanks and praise for my input to specialist courses.

(c) Contributions to the creation of materials designed to improve teaching and learning

I, in conjunction with another author (Phil Cheney, CSIRO), have written a book called: "*Synopsis of the Knowledge Used in Prescribed Burning in Victoria*". This book was sponsored by the Dept. Natural Resources and Environment and is now a key reference for undergraduates and fire professionals involved in fire management.

In 1999 I presented the 211-359 students with a CD-ROM containing all the lecture notes for the course, additional reference documents, a list of internet addresses with fire related information, old exam papers, and public domain fire-related software. This approach was generally well received and was favoured over putting the information on the internet because of the unequal access students had to the internet.

In 2000, I developed web-based course material and placed it on Webraft:

(<http://webraft.its.unimelb.edu.au/220307/pub/220307fem.htm>)

(<http://webraft.its.unimelb.edu.au/211364/pub/lem/LEM211301.htm>)

These sites have been well used by the students for resource material and have been accessed by outside users.

(d) Contributions to the development and introduction of effective teaching and learning practices

Since my appointment in 1997, I have revised the content of both the subjects I coordinate. In 211-359 Fire Ecology and Management, this revision took the form of including a greater amount of theory and the principles of fire behaviour and fire ecology. The purpose of this thrust was in recognition that this theoretical basis would be of more lasting value than simply learning the current state of knowledge, making the subject matter more transportable into the future and to places outside southern Australia. The course seems to work well, although I would like to increase the fire ecology component.

In 1999, I negotiated with a local school camp caretaker and committee of management to use part of the surrounding bush for fire management exercises. The camp approached me in the first instance to conduct a fuel reduction burn on the property to increase the safety of the camp buildings and the users. We started this process in 1999, going through a planning, site assessment, implemented a prescribed burn and monitored the results. This year we continued the monitoring and assessment at the site. This area has now become a major learning resource for the University students and has given a good social profile to the University through the School of Forestry. All students have found the involvement in this exercise a valuable tool to carry the theory learnt into practice in the "real world" and have taken on a certain level of ownership and responsibility for this work.

In addition to the involvement in the local school camp, we have a good rapport with the Dept. Natural Resources and Environment and attend operational fuel reduction burns and regeneration burns in the surrounding forests. The local forests and management have thus become a valuable learning resource for the University.

211-301 Landscape Ecology and Management was a new subject introduced in 1997, the year I started. I have therefore developed this course from scratch and made significant changes to the description of the

course in the handbook. In this subject we now cover land management issues on private rural land including public road reserves, we look at the complexity of issues in the Grampians National Park with Parks Victoria, and we look at a similar array of management complexity in wet forests with a timber production emphasis. This range of issues forms a good basis for studying the underlying principles of landscape ecology and the tools available to deal with the issues. Last year I also introduced an optional major assignment which was taken on by more than half the students. Because of the complexity of the assignment and the amount of work done by the students, I organised a seminar where groups of students presented a component of the subject area. This was very well received by the students and ensured that all students, not just those choosing to do the assignment, got a good knowledge of the subject area. I plan to include further participatory learning like this again this year.

Each year, I have organised for an independent training consultant to assess my students for the “Basic Firefighter” competency standard accreditation. This accreditation gives the student a competency certificate in two national Australasian Fire Authority Council learning modules as well as a NRE accreditation. This improves the employment opportunities for students anywhere in Australia and reinforces what the students have learnt at a higher level in 207-307. Students complete this accreditation at their own expense and in their own time. Usually more than 90% of the students have elected to take on this option and all have been accredited.

In 2001, I organised the introduction of a Fire Ecology and Management Scholarship. This scholarship is sponsored by the Dept. Natural Resources and Environment and consists of an opportunity to do a fire science project which will be eligible for a 4th year B.For.Sc. project. NRE employs the scholarship winner over the summer period during which time, the student has access to NRE resources and data to undertake the project and at the same time is given valuable work experiences. Leigh Smith was the first student to be awarded this scholarship in 2001.

Overall, I have found that the mix of basic theory and knowledge combined with experiential learning has produced the best response from the students and the best learning outcomes.

QUALITY OF TEACHING ASSESSMENTS

In 1997, students were asked to rate performance in eleven (11) areas. Question 10 did not relate directly to my performance, but to the level of resources available. A sample questionnaire is attached to the assessment summaries for the two subjects I taught.

In 1998 and 1999, students were asked to rate eight (8) teaching performance areas. Questions 7 and 8 were not really relevant to either of my subjects. I did make use of material on computers, but it could not be taken to be a multimedia based course.

Quality of Teaching assessments – 211-359 Fire Ecology and Management (207-307 from 2002, 220-307 from 2005)

Question	1997	1998	1999	2000	2001	2002
1. Clear idea of what was expected of me	4.1	4.4	4.3	4.2	4.2	4.3
2. Subject was well taught	4.6	4.7	4.6	4.7	4.4	4.8
3. Subject was intellectually stimulating	4.4	4.6	4.3	4.2	4.2	4.7
4. I received helpful feedback on how I was going	4.3	3.5	4.2	3.6	4.3	4.3
5. Teaching staff showed interest in needs of student	4.5	4.4	4.3	4.2	4.1	4.6
6. The volume of work was appropriate	3.8	3.9	3.9	3.5	3.9	4.3
7. Computer-base programs help me learn	na	4.3	4.2	4.0	4.2	4.3
8. Using the web helped learn effectively	na	2.8	3.7	5.0	4.0	3.8
9. Subject website useful	na	na	na	2.8	3.8	4.2

Note: 1 = strongly disagree, 5 = strongly agree

Question	2003	2004	2005	2006	2007	
1. Clear idea of what was expected of me	4.2	4.3	4.1	4.2	4.3	
2. Subject was well taught	4.4	4.4	4.5	4.6	4.7	
3. Subject was intellectually stimulating	4.3	4.4	4.4	4.7	4.7	
4. I received helpful feedback on how I was going	3.9	4.2	4.1	3.4	4.0	
5. Teaching staff showed interest in needs of student	4.1	4.2	4.4	4.4	4.7	
6. Felt part of the group	3.7	4.3	4.1	4.4	4.7	
7. Effective use of computer based materials	4.5	3.8	3.9	3.4	3.4	
8. Web based materials were helpful	4.3	3.8	4.2	3.3	3.1	
9. Overall satisfied with the quality of learning	3.7	4.2	4.4	4.4	4.8	

Note: 1 = strongly disagree, 5 = strongly agree

Quality of Teaching assessments – 211-301 Landscape Ecology and Management

Question	1997	1998	1999	2000
1. Clear idea of what was expected of me	3.7	3.9	4.0	4.2
2. Subject was well taught	4.5	4.3	4.5	4.5
3. Subject was intellectually stimulating	4.4	4.4	4.4	4.6
4. I received helpful feedback on how I was going	4.2	3.4	3.8	3.8
5. Teaching staff showed interest in needs of student	4.5	4.2	4.5	4.2
6. The volume of work was appropriate	4.6	4.1	4.3	4.3
7. Computer-base programs help me learn	na	3.7	4.2	4.3
8. Using the web helped learn effectively	na	3.2	3.5	3.9
9. Subject website useful	na	na	na	4.4

Note: 1 = strongly disagree, 5 = strongly agree

Student Comments:

Quality of Teaching Survey - Semester 1, 1997

211-359 Fire Management

Written additional comments:

- *Too many practical reports*
- *Powerpoint notes given at start of lecture so we can follow the lecturer and take our own notes is a great and much appreciated concept.*
- *Feedback sheets with assignments were very helpful.*
- *Kevin was a very approachable considerate lecturer who taught well.*
- *This is the most intellectually stimulating subject I've taken so far - which is supported by an excellent lecturer in Kevin Tolhurst - his knowledge, interest and enthusiasm helps.*
- *Due to many different guest lecturers, the lectures sometimes lacked continuity.*
- *It would have been good to know at the start of semester, how much each of the pracs were worth (for general interest, etc.)*
- *Very good effort for a first time lecturer.*
- *Its a privilege to be taught by such an aware, interesting and enthusiastic lecturer.*

Quality of Teaching Survey - Semester 1, 1997

211-301 Landscape Ecology and Management

Written additional comments:

- *I found the Ada River practical very interesting despite the confusion associated with it - however this is a real life forestry management problem, i.e. very relevant.*
- *Before Ada River excursion, I was still trying to grasp what the subject was about and what it was trying to achieve. This excursion brought everything together from all subjects and jelled my ideas further. I think the ideas represented here should be done so earlier in the course.*
- *Kevin obviously put in a lot of effort in this subject particularly when I don't think it was very clear what he was supposed to be teaching.*
- *It would have been good to be told at the start, the weighting of each assignment and the exam. It would also have been beneficial to have had the DSS lecture before the DSS prac.*
- *Availability of computer programs, namely Ada program, was good.*
- *Ada River was great. Rob Campbell should be part of the course every year. He really go my mind thinking. Practical examples should be applied to as many areas of this subject as possible, as it can be hard to grasp the concepts.*

Quality of Teaching Survey - Semester 1, 1998

211-359 Fire Management

Written additional comments:

- *The pracs were a little too frequent and very time consuming relative to their assessed value. Pracs were not marked and handed back soon enough to help with future pracs.*
- *Clear and well taught. Concern of staff of students academic needs should be recognised. All work done within this course was shown to be relevant and necessary.*
- *Possibly the best subject I've ever done. Material was well presented and always interesting. Prac reports helped me learn relevant course material as the course progress, building on knowledge as we went.*
- *Lecture notes were extremely helpful.*
- *The amount of time and effort put into writing up lab practicals is more than should be necessary for 6-7% of overall grade. Maybe fewer prac write-ups, but worth more. The use of computer generated slides makes lectures very easy to follow.*
- *The ??? of the computer facilities did not allow me to effectively use the internet sites which were relevant to this subject.*
- *The lectures were good & so were the practicals in respect of enhancing what was learnt in the lectures. The return of assignments were poor, i.e. not much feedback on how I was going through the semester.*
- *Both Kevin Tolhurst and John Nankervis excellent lecturers, nice to see them well organised and on time! Always made notes available & provided excellent resources and references. Need a better field excursion, but limited by time of year etc.*
- *Kevin's experience and enthusiasm have resulted in an excellent lecture and practical program. Lecture notes are great, well organised and well supported by slides & videos. It is great to be lectured by someone who is heavily involved in fire research, and also has good communication skills. Thanks Kevin for an interesting subject. John's lectures were also of high quality, and thoroughly appreciated. No complaints at all about this subject!*
- *I felt this subject was very well taught and prepared. Kevin was always well organised and the lectures and practicals run smoothly and achieved their objectives. This was a very worthwhile and enjoyable subject.*
- *Regarding Q.4, feedback was good, but limited in terms of the number of assignments that have been returned to date - quicker response to these would be beneficial. Regards Q.7, multimedia lecture notes were good especially when copies of the lecture notes could be provided to students at the beginning of each lecture.*
- *Good work Kevin.*
- *Really interesting subject that was well taught. Kev was always around to help when we needed it, materials always made available (i.e. books and computer references), pracs were an appropriate work load (I think) although only 2 of 5 have been marked.*
- *This was one of the better organised subjects of the year.*
- *Well taught, no complaints.*
- *This subject was well taught in theory. However, the blocking of subject was not appropriate because the time b/w lectures was too long, and when lecturers ran the full day, it was too difficult to take in what was being said. The assignment work was too heavy in comparison with other subjects.*

- *Library facilities are inadequate, the books are old regarding new developments this impacts on responses to assignments. Plus computer facilities are not up to standard which also impacts on subject.*
- *Little work was returned during the semester.*

Quality of Teaching Survey - Semester 1, 1998

211-301 Landscape Ecology and Management

Written additional comments:

- *Scheduling the excursion on the last days of semester was ordinary.*
- *Took a long time to get assignments back, various lectures were interesting*
- *I enjoyed this subject a lot, particularly the 1st assignment where we were able to design our own system.*
- *The lecture information was interesting. Feedback on assignments was delayed - would help if they were returned earlier.*
- *Block system is for duffers.*
- *Forget the block system of subjects. One of the basic principles of learning is variety.*
- *With most lectures in 1st part of semester, it felt though we hardly even did Landscape! Good to get assignment back before end of semester.*
- *I am unsure whether the block release approach is really as valuable as it appears to be. It is very disheartening that we received an assignment in the last two days of semester. It makes studying for exams quite hard.*
- *Very well laid out class. Easy to follow notes were very helpful. The important themes of the course were clear and made easy to understand.*
- *Having such a major assignment starting so late in the semester is impractical. It will make it very difficult to study for exams with an assignment due so late.*
- *I found both classes and assignments to be very vague, and found that I did not fully understand what was expected from me. At the end of the course I'm still unsure of the material covered.*
- *Subject is very interesting and thus a pity it was so short. Ada River trip should have been longer to allow completion of exercises. It's good to receive first assignment back before we start the second one.*
- *Computer facilities available for use were poor - not a subject problem, rather a campus/department problem. Interesting and well taught subject. More feedback earlier on essays would be beneficial. Preferably no assignments due in SWOTVAC - it defeats the purpose of SWOTVAC.*
- *The timetabling of this subject made it very difficult to retain the information taught. We had whole days of 5 different lectures, rather than spread over a few weeks, making it hard to actually learn what we were being taught. The content was OK, and was taught well, it just needed to be spaced over the whole semester, not just a few days.*
- *Very well taught & structured, interesting excursions, but the timing of the final assignment is not good at all - it is due at the end of SWOTVAC. This is very undesirable.*
- *More time is needed to complete the field trips.*
- *Regards criteria 4, feedback was good when it came, but did not come until late in semester.*

- *Block system made it hard as had only two days of solid lectures & receiving an assignment on last day of semester made it hard to study for other exams. Apart from that still a good subject. Good job Kevin!*

Quality of Teaching Survey - Semester 1, 1999

211-359 Fire Management

Written additional comments:

- *Fire has been one of the more interesting subjects this semester thank you. Am just a little concerned at placement of last prac at end of semester, but hard to see what could be done about it.*
- *Too many assignments.*
- *This subject from my personal viewpoint is the best organised and the best presented subject.*
- *The pracs were great (especially the FRB) - it was good to have such hands-on experience in this field.*
- *This subject was really interesting and the lecturer was excellent - he explained things clearly and made it interesting at the same time. Doing the prescribed burn was unreal. Thanks Kevin.*
- *Handouts were quite thorough, good source for revision.*
- *Kev's a champ. Really knows his stuff. Definite asset to SFC.*
- *Thanks Kevin!*
- *Great subject Kev, keep it going!*
- *This is by far the best subject I have completed to date in this course. The practical field trips were of the highest quality and the lecturer should be credited for his work in the field and the passing on of his many experiences. Great subject, good work Kev.*
- *Fire is a great subject which everyone should participate in. The burn should be done in every class as this was the best exercise we could do.*

Quality of Teaching Survey - Semester 2, 1999

211-301 Landscape Ecology and Management

Written additional comments:

- *Very well taught by Kevin*
- *Kevin was great but I wish we had more contact hours and excursions.*
- *This subject was very (well) taught, it was also very interesting. The two excursions we went on were a good idea. The Ada tree excursion was excellent, extremely interesting b/c there was a variety of people to speak with. Kev. Is a very good lecturer and very approachable.*
- *Assignments were interesting and field trips were really good.*
- *This was probably the most valuable and interesting subject taught this semester - it was done very well.*
- *Well taught Kev - I wish all lecturers could be like you.*

- *Excellent subject, this and Tassy trip was the saviour of this semester. A well taught and interesting subject. Good job Kev. Complexity was difficult, long, complicated and stressful, but is the best, most interesting assignment thus far. Excellent.*
- *What an awesome subject, nice one Kev. Loved the Grampians trip!*
- *Kevin is excellent - he cares for the students.*
- *This subject at times saved my life by being one of the more interesting in what was otherwise often fairly dry semester.*
- *Subject was interesting and relatively practical. Field trips were good.*
- *Good to have group discussion in this lecture.*
- *This subject was really great, except perhaps the time taken to return the assignments is a bit too long.*

Quality of Teaching Survey - Semester 2, 2000

211-301 Landscape Ecology and Management

Written additional comments:

- *The only subject that I knew what was going on and the lectures were interesting*
- *Good job Kev. The subject was new and topical.*
- *Interesting subject. The excursions were both enjoyable and very informative; they open our eyes to new possibilities. A difficult subject to get a grasp of. Some smaller assignments, worksheets or discussions would be useful to bring the concepts together better. It was good to get the exam done early, but 2 weeks earlier would have been much better, this was very poor timing.*
- *This was the most interesting and enjoyable subject this semester – if not this year. It was coherent, consistent, presented well, lectures were well organised, lectures followed schedules well. A complaint for other subjects is they don't make their content as clear as Kev does. He names every lecture appropriately and follows the schedule. Good job Kev. Keep him, he is good.*
- *The early exam was a good idea, however having not occurred straight after the holidays, I would have preferred to have it in the exam period so that it didn't distract from assignments so much.*
- *Good subject, a bit tough at times, but well taught, interesting and challenging.*
- *Very well structured and very interesting well run trips.*
- *Liked having exam early.*
- *Kevin does a great job!! Full marks.*
- *It's all good. Yes, it is all good.*
- *Interesting subject, but having the exam 2 weeks before the end of semester was a crap idea because we have assignments to hand in then.*
- *This was the only interesting subject this semester! It was good to have a non-timber industry based subject. It was well taught, the notes were good and the exam was reasonable. Kevin is an excellent lecturer.*
- *I enjoyed this subject. I didn't like the fact that we were given the exam days before we had to sit it because I felt this placed more pressure on me and I think it will raise the lecturers expectation when he marks it. The assignments were relevant and made me think!*

- *This subject was extremely interesting and I feel that I learnt a lot. It would have been more helpful to learn about the potential occupations this field offers.*
- *I thought it was the best subject of the semester. I think it should be expanded and made a 12.5 point subject.*
- *Kev is nice. Like a big teddy bear. Complexity assignment was a bit unclear on what to do.*
- *Kev is a great lecturer and I loved this subject. No complaints at all.*
- *Good subject, taught well.*
- *The subject was taught well, but the subject is too conceptual.*

Quality of Teaching Survey - Semester 1, 2001

211-359 Fire Management

Written additional comments:

- *The subject was well taught. The lectures were well structured and I enjoyed the short videos. There were probably too many field trips. Since we had a lot of time off with the integrated exercise and Western Australia, it sometimes felt that the amount of time designated to fire in some weeks was too much.*
- *Well organised subject and well presented. Feedback on pracs was extremely useful.*
- *This subject was well organised and interesting. It was helpful to have pracs scattered throughout the semester rather than piling the work up just before exams. I feel more prepared for this exam than any other.*
- *Crazy Kev is cool! Though he needs to learn to chill out if you're late for a lecture.*
- *Kevin's pracs spread throughout the semester was important as it was also to receive them back regularly.*
- *Subject was well taught and extremely organised. Professor gave feedback and showed interest in our progress. I felt like his door was always open to questions.*
- *Thanks.*
- *Kev is a great lecturer and made the subject very interesting. The practical nature was good. Liked having the 5 or 6 10% assignments. Great subject. Loved the videos.*
- *Quite an interesting subject, but got quite tiring towards the end. Too many pracs that weren't assessable.*
- *The subject was well taught with practical activities aiding the understanding of concepts. The write up and submission of pracs throughout the semester was good. Feedback from them was also good.*
- *It felt like we had fire all the time. Kev needs to encourage class comments by accepting wrong answers and not just making the person feel silly. Amount of work very appropriate. Handing in pracs is better than one large assignment.*
- *Fire ecology has been interesting this year and the numerous field trips have been useful also. I feel that despite this, the numbers of trips were just a bit excessive, making this a very intensive subject. The number of prac reports were a little excessive, simply because at times it felt as though we weren't doing anything but fire. It is good, however, that we have continual assessment through the semester.*

Quality of Teaching Survey - Semester 1, 2002

207-307 Fire Ecology and Management

Written additional comments:

- *Very good subject. Although I found the assignments a little boring as I just seemed to copy the notes or straight from books – no real independent thought. I'm sure this will stand me in good stead for the exam though!*
- *Very well taught and field trips were well worth the effort.*
- *The practical element made the class work and report writing very relevant. Very enjoyable and interesting subject and Kev is very helpful in assisting in work that is not readily understood.*
- *The lecturer shared a strong interest in the subject and taught the subject well.*
- *Kev is an excellent lecturer. It is good to have someone who is passionate about what they do. He is also very approachable unlike some other lecturing staff that I won't care to name.*
- *Kevin is a good lecturer – very exciting to listen to.*
- *Well taught, interesting subject. I liked how constructive (comments) were written on returned assignments, allowing me to follow errors I made and where I did a good job.*

Quality of Teaching Survey - Semester 1, 2003

207-307 Fire Ecology and Management

Written additional comments:

- *The assignments were a bit big for only 10% of the mark, and its hard to do the next prac when you don't have your results from the last one.*
- *Kevin is very good with this subject and teaches it well.*
- *Great subject.*
- *It was worthwhile (as a non-Creswick student) to attend classes here in Creswick as the practical work was relevant and being close to Wombat Forest could apply what we had learnt in theory, practically.*
- *Fieldwork useful in understanding of material.*
- *This was a good subject. It had a mix of theory and practical work. I feel it may have been beneficial to have more theory though. The breaks were too long that were given, i.e. 20min and I feel it would have been better spent learning. The Lecturer was very good because he is an expert in his field.*
- *Interesting mixing degree and diploma Fire subjects, useful elements that could be borrowed from both.*
- *Great topic!*
- *Compared to other subjects, the amount of assignments was a little too much – that is to say that for the amount of marks allocated for each assignment, they were too long.*
- *Subject could be more stimulating. Would like more focus on fire ecology planning, prescribed burn application and management. Thought there was too much emphasis on fire safety and fuel behaviour. More exposure to burns would be useful, i.e. see more burns take place.*
- *I found structure a little higgely piggely in that different parts of the course i.e. fire management were taught a little at the start and a little in the middle and a little at the end. I think help my understanding if they were taught in blocks. Good integrated of prac and theory work, i.e. learn material in the morning and put it into practice in afternoon.*

- *Seeing the controlled burn and aftermath of fires was very important to my understanding of the subject.*

Quality of Teaching Survey - Semester 1, 2004

207-307 Fire Ecology and Management

Written additional comments:

- *This subject was one of the best I've taken. Kevin conveys as much knowledge as possible and does so in a simple and easy to understand manner. Can't find any criticisms. Good Kev. A++.*
- *The work load for this subject for the amount of marks allocated was far to high and I found it impossible to manage effectively.*
- *I thought the subject was great. Certainly worth the trip up from Melbourne. Field trips were a great part of the learning experience and definitely worth time spent heading out to each site. Great subject Kevin. A+*
- *Field work was good in creating a reality based idea of the concepts learnt.*
- *Field based work is very informative and valuable. Great to see burn sites and fire in action as well as regeneration after fire.*
- *Excellent subject, well taught and structured. Handouts were sensible and well laid out. Kevin sometimes needs to be less critical of student comments and be a bit more positive, but overall, very good.*

Quality of Teaching Survey - Semester 1, 2005

220-307 Fire Ecology and Management

Written additional comments:

- *This subject was very stimulating, very well taught, well structured and a pleasure to participate in. A credit to a lecturer who obviously sincerely has the students best interests at heart.*
- *Although I thought the subject was very well taught and I learnt a lot, I believe that there were too many assignments where a lot of work was involved for not many marks. Maybe if assignments were worth more and exam worth less, it would be better. Coming from Melbourne every Tuesday was a little tiring at times. It would be nice if it was offered in Parkville.*
- *Kev is a good bloke, thanks for a great subject.*
- *This subject was presented in an interesting and clear manner. Lectures comprised of a fantastic variety of media and it was evident that the lecturer takes time in preparing this subject.*
- *Very good and interesting subject. Very well taught. A bit too much work involved with assignments that are only worth 10%. A better way would be: Fire Safety assignment 10%, Fire behaviour and fuel 25%, Fire Ecology 15%, Exam 50%.*
- *I think that 4 assignments worth 10% is too much seeing they had to be 2-3,000 words each. A lot of other subjects have assignments that size worth more % (20-40%). A better idea would be: Fire Safety 10-15%, Combined fuel and fire behaviour assignment worth 20%, Fire Ecology assignment worth 10-15%. The fuel and fire behaviour assignment touch on the same stuff. Overall I have enjoyed the subject.*

Quality of Teaching Survey - Semester 1, 2007

220-307 Fire Ecology and Management

Written additional comments:

- *Great interesting subject. I found the study for the morning test very time consuming and took away my ability to study for other subjects that might be due soon.*
- *I really liked this subject. Having pracs/excursions in the arvo was a good way to go about it.*
- *Quizzes were helpful for revision, excursions were good. Could use LMS.*
- *Well taught, got a lot out of the subject. Even though there was a lot of content.*
- *Great subject, really interesting and well taught. It was great to have the subject in Creswick and field trips were useful in understanding lectur4e material. The intensive lecture schedule was challenging although the blocking of classes was good for Parkville students.*
- *Fantastic subject! I think that it would have been better to have more assessment during the semester – a 60% exam is a little daunting. Nice balance between fire behaviour and fire ecology. Also a good practical element. Thankyou 😊*
- *The tests every morning were worth too much given there was no time to study for them. Block format make it hard – too much of one topic at one time.*