

Attachment C: Curriculum Vitae

Dr Richard Lamb

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SUMMARY

I am a professional consultant specialising in visual impacts assessment and the principal of Richard Lamb and Associates (RLA). I am an honorary senior lecturer in Architecture and Heritage Conservation in the Faculty of Architecture, Design and Planning at the University of Sydney. I have taught and specialised in resource management, environmental impact assessment and visual perception studies for 30 years.

RLA is a firm that provides professional services, expert advice and landscape and aesthetic assessments in many different contexts. We carry out strategic planning studies to protect and enhance scenic quality and landscape heritage values, conduct scenic and aesthetic assessments in all contexts, from rural to urban, provide advice on view loss and view sharing and conduct landscape heritage studies. We act for various client groups on an independent basis, including local councils, government departments and private clients to whom we provide impartial advice. I provide expert advice, testimony and evidence to the Land and Environment Court of NSW in various classes of litigation. I have appeared in over 120 cases and made submissions to several Commissions of Inquiry. I have been the principal consultant for over 350 consultancies concerning the visual impacts and landscape heritage area of expertise during the last ten years.

At the University of Sydney I have the responsibility for teaching and research in my areas of expertise, which are visual perception and cognition, aesthetic assessment, landscape assessment, interpretation of heritage items and places and cultural transformations of environments. I teach both undergraduate and postgraduate students in these areas, giving specialised elective courses in visual and aesthetic assessment. I supervise postgraduate research students undertaking PhD and Masters degree academic research in the area of heritage conservation and Environment Behaviour Studies (EBS). I am a member of the EBS disciplinary group. The latter field is based around empirical research into human aspects of the built environment, in particular, in my area of expertise, aspects of visual perception, landscape preference and environmental cognition. I carry out empirical and scholarly research in these fields on a continuing basis.

I have a number of academic research publications in local and international journals that publish research in EBS and heritage conservation and I am the co-editor of the academic Journal of the Australian and New Zealand Association for Person-Environment Studies, called by the acronym PaPER (People and Physical Environment Research), which publishes papers in EBS, environmental psychology, cultural heritage management and in heritage conservation. The association has affiliations with a number of international EBS research organisations. I have had a number of research papers published in the last five years on landscape perception and preference, landscape aesthetics and heritage conservation.

I have developed my own methods for landscape assessment, based on my education, knowledge from research and practical experience. They are related to seminal research carried out in the 1970s, sometimes described at the Visual Management System approach, but are highly modified by myself in the light of contemporary knowledge of aesthetic preference and cognition and my experience in visual impacts assessment in urban environments. These methods have also been the subject of a number of professional seminars and of guest lecture courses I have conducted at the University of New South Wales.

Qualifications

Bachelor of Science - First Class Honours from the University of New England.

Doctor of Philosophy from the University of New England in 1975.

Honorary Senior lecturer in the Faculty of Architecture, Design and Planning and in Heritage Conservation, University of Sydney.

Visiting lecturer, University of New South Wales, School of The Built Environment

Principal of Richard Lamb and Associates and Director of Lambcon Associates Pty Ltd.

Since 1980 I have pursued research related to my teaching responsibilities and professional practice. My major research works are in:

Landscape heritage assessment

Visual perception

Landscape assessment and heritage impact assessment

Social and aesthetic values of the natural and built environment

Publications and presentations relevant to visual perception and assessment of landscapes are listed below.

AFFILIATIONS

Professional

Chartered Biologist, Institute of Biology (UK)

Editor, Journal of the Australian and New Zealand Journal for Person Environment Studies, titled "People and Physical Environment Research"

Community Organisations

Member National Trust of Australia

Chairman Landscape Conservation Committee (1995-2001)

Member Bush Management Advisory Committee (1989-2003)

Member Landscape Conservation Committee (1985-2008)

Chairman Landscape Assessment Committee (1985-1991)

Government Committees

Member, Cultural Heritage Research Advisory Committee, Department of Environment and Conservation NSW National Parks and Wildlife Service

Member, Australian Heritage Commission, NSW Natural Environment Evaluation Panel (1998-2000)

Member, South East Queensland Regional Organisation of Councils Scenic Amenity Study Program Advisory Committee (2003-2005)

International Journals for which Papers are refereed

Landscape & Urban Planning

Journal of Architectural & Planning Research

Architectural Science Review

People and Physical Environment Research (Journal of the Australian and New Zealand Association for Person Environment Studies)

Journal of Environmental Psychology

Australasian Journal of Environmental Management

Ecological Management & Restoration

ASSESSING IMPACTS OF EXTRACTIVE INDUSTRY DEVELOPMENTS

Assessment and Advice

- Breen Holdings
Assessment, analysis and report to the Federal Minister for the Environment in response to Emergency Listing of Kurnell Peninsula under the Environment Protection and Biodiversity Conservation Act 1999.
- Collex Waste Management Pty Ltd
Visual impact assessment, proposed recycling facility, Bunnerong Road, Matraville.
- Concrete Recyclers, Moorebank
Visual impact assessment of proposed rezoning of land for a recycling facility, Moorebank.
- Concrete Quarries Pty Ltd.
Staging and visual impacts mitigation strategy for crushing plant and associated facilities, Exeter Quarry, Southern Highlands.
- R W Corkery and Company Pty Ltd
Visual impact assessment and advice, proposed design of product transport roads serving Exeter Quarry, Vine Lodge, Southern Highlands.

Land and Environment Court Proceedings

Coffs Harbour Shire Council ats CSR Readymix

Proposed hard rock quarry, Boambee Road, Boambee.

Collex Waste Management Pty Ltd v Blacktown Council

Proposed landfill and strategy and remediation of existing landfill site, Riverstone.

Concrete Recyclers v EPA

Proposed variation to condition of consent, concrete recycling plant, Thackeray Street, Camellia.

Concrete Quarries Pty Ltd v Wingecarribee Council

Proposed extension to Exeter Quarry, Rockleigh Road, Exeter, Southern Highlands.

Exeter Quarry, Primary Submission

Commission of Inquiry into proposed extension by Concrete Quarries Pty Ltd, Exeter Quarry, Southern Highlands, 1998.

Exeter Quarry, Primary Submission

Commission of Inquiry into proposed quarry extension and Village bypass route, Exeter Quarry, Southern Highlands, 2000,.

- L D Fowler Pty Ltd and anor v Lithgow City Council
Proposed hard rock quarry, Rydal
- P Sobey and anor. v Nambucca Shire Council
Proposed quarry extensions and variations to conditions of consent, Valla Quarry,
Valla.
- Rocla Quarry Products v the Minister for Planning and Sutherland Shire Council,
Proposed sand extraction, Captain Cook Drive, Kurnell.
- Tiocliff Pty Ltd v Yarrowlumla Council
Proposed hard rock quarry, Sutton, Southern Tablelands.
- Wingecarribee Council v Concrete Quarries Pty Ltd
application for minor extension, Exeter Quarry, Southern Highlands.

PUBLICATIONS

Refereed articles

- Falchero, S., Lamb, R.J., Peron, E.M. and Purcell, A.T. (1992). Is our experience of the world more complicated than we think? In Aristides, M. and C Karaletsou, *Socio-Environmental Metamorphoses: Builtscapes, Landscapes, Ethnoscape, Euroscape*, Thessaloniki, Aristotle University Press, IV, 121-125.
- Fuller, A, and Lamb, R.J. (2002). The objectification and aesthetication of cultural landscapes: The meeting point of western heritage traditions and Australian Cultural Landscapes, *Journal of the Australian and New Zealand Association for Person Environment Studies*, 57, 16-26
- Lamb, R.J. (1985). Litter fall and nutrient turnover in two eucalypt woodlands. *Australian Journal of Botany*, 33, 1-14
- Lamb, R.J. (1988). The nexus between aesthetics and ecology: perception of naturalness and landscape management. *Journal of the Australian and New Zealand Association for Person Environment Studies*, 30, 23-32.
- Lamb, R.J. (1989). Identification and assessment of rural cultural landscapes: The National Trust's method, and a relevant case study. *Historic Environment* 7(2), 38-44.
- Lamb, R.J. (1991). Ecology and architecture: A tradition of neglect. *Journal of the Australian and New Zealand Association for Person Environment Studies*, 37/38, 7-18.
- Lamb, R.J. (1991). The challenge of ecology to the design professions I: Invention and intervention. *Exedra*, 3(1), 16-24.
- Lamb, R.J. (1992). Aesthetic impacts of development on valued landscapes: The nature of evidence given in five cases. *Journal of the Australian and New Zealand Association for Person Environment Studies*, 41-42, 31-52.
- Lamb, R.J. (1993). Psychological type in first year Architecture students: Potential new answers to some old questions. *Higher Education Research and Development Association*, 16, 159-164.
- Lamb, R.J. (1995). Biodiversity, in: *Architecture and the Environment*, (New Zealand Institute of Architects), 2, 1-6.
- Lamb, R.J. (1995). Biodiversity, in: *Environmental Design Guide*, (Royal Australian Institute of Architects), General Issues, 1,(3), 1-6.
- Lamb, R.J. (1995). The scenic quality of the Hawkesbury-Nepean River: a critique of three versions of community participation in its conservation. *Journal of the Australian and New Zealand Association for Person Environment Studies*, 48, 1-17.
- Lamb, R.J., & Purcell, A.T. (1990). Perception of naturalness in landscape and its relationship to vegetation structure. *Landscape and Urban Planning*, 19, 333-352.

- Lamb, R.J., and Purcell, A.T. (2002). Landscape perception: A Comparison of perceived naturalness to variations in the ecological naturalness of vegetation. *Journal of the Australian and New Zealand Association for Person Environment Studies* 57, 1-16.
- Lamb, R.J., and Holland, G. (1995). Are physical and cultural issues of ecologically sustainable development always compatible?: The Australian example of urban consolidation. *People and Physical Environment Research*, 47, 34-41.
- Lamb, R.J., and Morris, C. (1996). Symbolic, Spiritual and Aesthetic values of forests. In: Design for People, Groves, M.A. and Wong, S. (eds), Sydney, People and Physical Environment Research, pp 79-84.
- Lamb, R.J., Purcell, A.T., Mainardi Peron, E., and Falchero, S. (1994). Cognitive categorisation and preference for places. In S.J. Neary, M.S. Symes and F.E. Brown, *The Urban Experience: a People Environment Perspective*, London, E & F.N. Spon, pp 405-416.
- Outhred, R.K., Lainson, R., Lamb, R. and Outhred, D. (1985). A floristic survey of Ku Ring Gai Chase National Park. *Cunninghamia*, 3, 313-338.
- Lamb, R.J., and Purcell, A.T. (1982). A Landscape Perception Study of the Peninsula Area of Warringah Shire: Implications for Planning Controls, Building Regulations and Other Areas of Council Activities. University of Sydney, Department of Architecture, Occasional Paper, 44pp.
- Purcell, A.T. and Lamb, R.J. (1984). Landscape perception: An examination and empirical investigation of two central issues in the area. *Journal of Environmental Management*, 19, 31-63.
- Purcell, A.T. and Lamb, R. J. (1998). Preference and naturalness: An ecological approach. *Landscape and Urban Planning*, 42, 57-66.
- Purcell, A.T., Lamb, R.J., Mainardi Peron, E.M. and Falchero, S. (1994). Preference of preferences for landscapes? *Journal of Environmental Psychology* 16, 195-205.
- Peron, E., Purcell, A.T., Staats, H., Falchero, S. and Lamb, R.J. (1998). Models of preference for outdoor scenes: some experimental evidence. *Environment and Behaviour*, 30, 382-305.

Published Symposia

- Lamb, R.J. (1994). Advancing arguments for the conservation of valued places. In: Ramsay, J and Paraskevopolous, J (eds). *More Than Meets the Eye: Identifying and assessing aesthetic value*. Australian Heritage Commission Technical Workshop Series No. 7, University of Melbourne, 1993. Canberra, Australian Heritage Commission, pp 23-38.
- Lamb, R. J. (1994). Technics or ethics? In: Ross, H., Dovers, S., Sexton, M. and Rodger, A. (eds). *Sustainability and the built environment: Interpretation and strategies*. Fundamental Questions paper No. 12, Centre for Resource and Environmental Studies, Canberra, Australian National University, p 20.
- Lamb, R. J., and Morris, C. (1996). Cultural values in the assessment of old growth forests, in, *The coming of age: Forest age and heritage values*. 1997 Technical Series No. 1, Canberra, Australian Heritage Commission.
- Thorne, R.T. and Lamb, R.J. (1990). Can schools of architecture and their design teaching be improved through understanding psychological differences between individuals and groups within the organisations?. In: J. Plume (ed), *Architectural Science and Design in Harmony: Proceedings of Joint ANZASCA/ADTRA Conference*, University of New South Wales.
- Thorne, R.T. and Lamb, R.J. (1991). The education of architectural designers. What will be the qualities required of the teachers of design if the Higher Education Council policy for universities is implemented? ANZASCA Conference Proceedings, Adelaide, University of Adelaide.

Invited symposium papers

- Lamb, R.J. (1988). Ecological and perceptual changes to bushland associated with Lantana invasion. *Managing Warringah's Bushland (Symposium)*. Sydney, Warringah Shire Council.
- Lamb, R.J. (1983). Ecological and aesthetic objectives in bush management. In: *Sydney or the Bush?* Australian Institute of Horticulture Conference, Sydney, Ku ring Gai CAE.
- Lamb, R.J. (1994). Unique landscape and vegetation. In: *Things we want to keep: Environmental heritage management under the new Local Government Act*. National Trust of Australia seminar, Australian Museum, March 1994; Sydney, National Trust of Australia.

Unrefereed conference papers

- Lamb, R.J. (1991). Integrating the natural and built environments. *Practice and Theory of Cultural Heritage: A New Relationship?*. University of Sydney, Continuing Education Seminar in conjunction with Australia ICOMOS, July 18, 1991.
- Lamb, R.J. (1994). Who cares about conservation of river landscapes? Public participation in the scenic quality study of the Hawkesbury-Nepean River. *Hawkesbury River Bicentenary Conference*, University of Western Sydney, Hawkesbury, September, 1994.
- Lamb, R.J. (1995). Conservation of the scenic quality of rural areas: The role of local government. *Planning for Rural Areas: the Key Role of Local Government Conference*, Hawkesbury Nepean River Catchment Management Trust.

Research Reports

- David Kettle Consulting Services Pty Ltd and Lamb, R.J. (1995). *City Wide Scenic Quality Study*, City of Gosford. Gosford, Gosford City Council., 114pp, plus map atlas 33pp.
- David Kettle Consulting Services, Dr Richard Lamb and Integrated Site Management, (1995), *Landscape Values of the Hoxton Park Corridor*, Department of Urban Affairs and Planning, 96pp.
- Lamb, R.J. (1989)(editor and principal author). *Landscape Assessment Manual of Practice*. Sydney, National Trust of Australia (NSW), 30pp.
- Lamb, R.J. (1990)(editor and principal author). *Landscapes of the Southern Highlands*. Sydney, National Trust of Australia (NSW), 42pp.
- Lamb, R.J. and Morris, C. (1995). *Cultural investigations: The feasibility of including cultural and aesthetic values in the identification of old growth forest*. Joint Old Growth Forest Project, Resources and Conservation Audit Council of New South Wales.
- Lamb, R.J., and Morris, C. (1995). *Scenic quality study of the Rural Lands of Hornsby Shire*, Sydney, Shire of Hornsby, 33pp.
- Travers Morgan Pty Ltd and Lamb, R.J. (1996). *Scenic Quality: Hawkesbury- Nepean River scenic quality study*. Sydney, Department of Urban Affairs and Planning, 70pp, plus map atlas.
- Lambcon Associates (1998). *Visual character study of South Turramurra*. For Ku-ring-gai Council and Department of Urban Affairs and Planning.
- Lambcon Associates (1998). *Camden Local Government Area: Scenic and Cultural Landscape Study*, Camden, Camden Council.
- Richard Lamb and Associates Consulting (2000). *Heritage landscape and visual resources study, excluded parcels, former OTC site, Doonside*.
- Richard Lamb and Associates (2005). *Scenic and visual resources study, Western Sydney Regional Parklands, Doonside*.