



RMCG

Consultants for Business, Communities & Environment

JENCIE MCROBERT

B.Sci, Grad.Dip Eco, Assoc.App.Sci



CAREER SUMMARY

Jencie is a senior consultant with specific skills and experience in environmental management planning and risk assessment, catchment management, biodiversity management and greenhouse emissions analysis. She has a Science degree from the University of Melbourne and has also undertaken a Graduate Diploma in Economics at Monash University.

Jencie began her career with the Victorian Department of Conservation and Environment, working with landholders on natural resource management issues. This involved working with farmer groups in the area of catchment management in northwest and central Victoria.

More recently, Jencie worked as a Senior Environmental Scientist with ARRB Group where she provided specialist consulting and research expertise to the road transport sector in the following areas:

- water sensitive road design and drainage management (rural and urban);
- biodiversity management (roadsides and receiving waters);
- energy and climate change;
- life cycle costing of infrastructure projects;
- resource use and recycling in roadworks;
- environmental management plans on construction and maintenance projects and environmental risk assessment tools.

QUALIFICATIONS

Bachelor of Science, University of Melbourne (1985)

Graduate Diploma Economics, Monash University (1995)

Associate Degree Applied Science (wine growing), Charles Sturt University (2004)

PROFESSIONAL AFFILIATIONS

Australian Institute Agricultural Science and Technology

Australian Association of Agricultural Consultants

EMPLOYMENT DETAILS

Professional Experience

October 2005 - Present: Senior consultant, RM Consulting Group, Bendigo

Jencie has specific skills and experience in:

- Greenhouse emissions, lifecycle costing and resource use
- Viticulture and dryland farming
- Environmental management planning, monitoring and risk assessment
- Catchment management
- Biodiversity management

1995 – October 2005: Senior Environmental Scientist, ARRB Group

As a member of the Transport Management & Safety Division with ARRB Group, Jencie provided specialist consulting and research expertise in the area of:

- Resource use and recycling in roadworks
- Sustainability, energy and climate change/greenhouse issues
- Life cycle costing of infrastructure projects (including costing externalities, environmental valuation, use of TBL and BCA concepts)
- Water sensitive road design and drainage management – rural and urban
- Biodiversity management – road sides and receiving water
- Environmental management plans – construction and maintenance projects
- Environmental risk assessment tools

1989 – 1992: Catchment Planning, Department of Conservation & Environment, Bendigo

1986 – 1989: Scientific Officer, Department of Conservation, Forests & Lands, Mildura

These roles involved:

- Field investigations: collation and analysis of geological, soils and surface water and groundwater data, and environmental monitoring.
- Working with landholders adopting improved farming practices, including revegetation programs with Landcare groups in northwest and central Victoria.
- Development of community based salinity management plans in salt affected catchments, for both dryland and irrigation districts.
- Co-ordination of technical input (hydrogeological, environmental and economic/social) and the community consultation program for the Loddon Salinity Management Plan.

Project Leader – Consulting and Research Projects

- *Newell Highway Salinity Trial*. Report prepared for Austroads in conjunction with ARRB Group, GeoAg P/L & Australian National University (2008).
- *Treatment Options for Saline Discharge Management*. Report prepared for Corangamite Catchment management Authority (2008).
- *Social Research – Dryland Best Management Practices*. Report prepared for the Mallee Catchment Management Authority (2007).
- *Farming Practices – communication materials*. Report prepared for the Mallee Catchment Management Authority (2007).

- *Mallee Dryland Communications Strategy*. Report prepared for Mallee Catchment Management Authority (2006).
- *Farm Management Plan – Cobaw*. Report prepared for Brett Lane & Assoc., Carlton (2006).
- *Assessment of Viticultural Potential – Main Ridge Resort & Spa*. Report prepared for Tract Consulting, Melbourne (2006).
- *Environmental Scan and Review*. Report prepared for Murray Mallee Local Learning Employment Network, Swan Hill (2006).
- *Environmental Management Plan – Longlea*. Report prepared for Central Building Advisors, Bendigo (2006).
- *Managing the Impacts of Rising Watertables and Salinity on Pavement Performance*. Contract report prepared for Austroads, NSW (2006).
- *Roadside maintenance Clearance Zones and Vegetation Control – review of current practice*. Report prepared for Main Roads WA, Perth (2005).
- *Life Cycle Assessment and Greenhouse Gas Emissions from Road Pavements*. Contract Report VC71287 for Roads & Traffic Authority, NSW (2005).
- *Recycling Opportunities in Roadworks Projects*. Contract Report VC 71291 for Department of Main Roads, WA (2005).
- *Estuary Management Framework – roads component*. Contract Report VC 71342 for Deakin University, VIC (2005).
- *Road Maintenance Techniques to Reduce Social and Environment Impacts*. Research Report RC4319 prepared for Austroads, NSW (2005)
- *Environmental Clear Zones for Rural Roads*. Contract Report VC 4152 for NSW Roadside Environment Committee, NSW (2005).
- *Reducing the Impacts of Unsealed Roads on Stormwater Quality – an experimental project*. Contract report RC 3560 for Shires of Cardinia, Mornington and Casey, VIC. A collaborative project with University of Western Sydney & CRC Catchment Hydrology, Monash University (2004).
- *Roadside Quality & Biodiversity Performance Indicator – Implementation Guidelines for State Road Authorities*. Research report RC3677 for Austroads, NSW (2004).
- *Environmental Management Tools for Routine Maintenance Contracts*. Published Research Report RC2722 for Austroads, NSW (2004).
- *Use of Recycled Materials in Road Building*. Contract report RC 2790 for Department of Main Roads, WA (2004).
- *Effectiveness Review of the 1995 Austroads Strategy for Ecologically Sustainable Development*. Research report RC2543 for Austroads, NSW (2004).
- *Development and Testing of a National Performance Indicator – Pavement Materials Recycling*. Research report RC 2543 for Austroads, NSW (2004).
- *Dryland Salinity and Rising Watertables – Protecting the Road Asset*. Contract report RC 1891 prepared for Department of Transport and Regional Services, ACT (2003).
- *Review of the Draft Southern Link Environmental Management Plan (Operational Phase)*. Contract report RC 1391 prepared for Transurban CityLink, VIC (2000).
- *Environmental Risk Assessment and Recycling in Road Works Projects*. Contract report RC 1462 prepared for Transport SA (2000).
- *Environmental Best Practice – Unsealed Roads Maintenance in Outback Regions*. Contract report RC 90165 for Transport SA (2000).

- *Road Runoff and Drainage: Environmental Impacts and Management Options Manual*. In conjunction with Ecology Australia P/L & CRC Catchment Hydrology. Published Research Report No. AP-R180/00 for Austroads, NSW (2000).

Team Member – Consulting and Research Projects

- *Review of Greenhouse Regional Partnerships Program*. Report prepared for Department of Sustainability & Environment, Vic (2006).
- *Managing Environmental Impacts of Trucks Using Metropolitan Road Links*. Research Report RC 71332 for Austroads, NSW (2005)
- *Whole-of-life Costing Tool for Bicycle and Shared Path Design*. Contract report VC 71250 for Australian Bicycle Council, NSW (2005).
- *Increasing the Awareness of Rural Drainage*. Contract report RC 3157 prepared for VicRoads (2003).
- *Environmental Considerations for Planning and Design of Roads*. Published Research Report No. AP-R217/03 for Austroads, NSW (2003).
- *Roadside Maintenance: Environment and Cultural Heritage Management*. Contract report RC 2803 prepared for VicRoads in conjunction with Context Pty. Ltd. (2003).
- *Identifying and Prioritising Strategic and Significant Environmental Issues Facing Road Authorities*. Research report RC 3187 prepared for Austroads, NSW (2003).
- *Planning for Freight in Urban Areas*. Published Research Report No. AP-R228/03 for Austroads, NSW (2002).
- *Freight Discussion paper for the Metropolitan Roads & Traffic Management Strategy*. Prepared for VicRoads, VIC (2002).
- *Case Studies in Successful Environmental Management*. Published Research Report No. AP-R205/02 for Austroads, NSW (2002).
- *Impacts of Salinity on Local Roads – Environmental Considerations, Construction and Maintenance Options*. Contract Report RC 1420 prepared for Department of Natural Resources and Environment, VIC (2000).
- *Ecologically Sustainable Development Toolbox – for Transport Practitioners*. Published Research Report No. AP-R166/00 for Austroads, NSW (2000).