



## Professional qualifications and associations

### David Rivett (Principal) (B Eng (Civil) M Nat Res)

- Bachelor of Engineering (Civil), Queensland Institute of Technology, 1975
- Master of Natural Resources, University of New England, 1994
- Fellow and Certified Practising Planner (Planning Institute of Australia) 1998 to 2022 (Ret.); Member, *Urban & Regional Planning* and *Environmental Planning* chapters
- Registered Professional Engineer, Queensland 1985 to 2022 (Ret.)
- Local Government Engineer, Queensland 1983 to date
- Member, Australian Institute of Company Directors (2007 to 2008)
- Member, Institution of Engineers, Australia 1979-1997 (Chairman, Cairns Local Group 1987/88)
- Chartered Professional Engineer (to 1997)
- Member, Environment Institute of Australia 1994 to 2003 (President, Far North Queensland Division 1995/96/97/98)
- Member, Ecotourism Association of Australia (1996 to 2005)

## Areas of special competence

- Impact assessment and options analysis of transport and other infrastructure.
- Integration of natural resource management and planning instruments.
- Heritage interpretation, ecotourism development and recreation planning.
- Biodiversity conservation, natural resource management and strategic planning.
- Aquaculture planning, impact assessment, licensing and environmental management.
- Environmental management and environmental engineering.
- Management of multidisciplinary studies.
- Community engagement (including multi-media solutions).
- Expert witness (P&E Court.)

## Professional experience

1993 to date	Principal – Environment North (formerly Environment Science and Services (NQ)). [Cairns]
1991 to 1993	Environmental Engineer and Cairns Manager – Environment Science and Services. [Cairns]
1990 to 1991	Associate – Connell Wagner. [Cairns]
1983 to 1990	Design Engineer (Civil) and Team Leader (Multidisciplinary Studies) – Macdonald Wagner & Priddle (later Connell Wagner). [Cairns]
1981 to 1983	Design Engineer (Civil) – Macdonald Wagner & Priddle. [Brisbane]
1981	Design Engineer (Structural) – Brown and Root (UK) Limited. [London]
1980	Design Engineer (Civil) – Lingowi-Balfour-Halcrow Joint Venture. [London]
1978 to 1979	Resident Engineer, Cooloolabin Dam Project – Jack Mulholland, Consulting Engineer. [Nambour]
1976 to 1978	Design Engineer (Civil and Structural) – Jack Mulholland, Consulting Engineer. [Brisbane]

## Key skills and attributes

- Professional qualifications in engineering and natural resource management.
- Expertise at the interface between the often competing needs of infrastructure and environmental protection.
- Impact assessment and environmental management, including a broad interdisciplinary knowledge of most fields associated with infrastructure development.
- A sound knowledge of tropical Australia, including planning and conservation law, local practices, agency responsibilities and management initiatives.
- Strategic planning and resource management.
- Public consultation.
- A good professional relationship with senior staff from key environmental, resource management, and planning agencies.

## Key competencies and experience

Forty-six years professional experience (15 in civil engineering, 31 in environmental engineering, environmental planning, and natural resource management). The first 15 years of experience in Australia and the UK on top of an undergraduate degree in civil engineering and formal post-graduate training in environmental engineering provided a sound foundation in many aspects of infrastructure planning and development (roads, bridges, land development, port development (dredging and spoil disposal), urban water quality, water resource development, and major projects including tourism and coastal management).

Subsequent formal training in natural resource management (Master's degree – UNE) provided a broadening into the fields of land degradation, geomorphology, ecology, geography, nature-based recreation, water resources development, resource economics, and land systems evaluation.

In the period since entering the environmental planning arena (from 1991), key experience has been gained in a number of fields, most of which have involved the integration of all major areas of environmental science into engineering and planning projects via value-adding to specialist work commissioned for the projects (air quality, archaeology, biodiversity, bioregional planning, botany, cultural heritage, ecology, groundwater, noise, social impact, soils, sustainability, transport and regional economics, water quality, zoology). Major role has been technical integration, innovation, cross-discipline coordination, and critical evaluation and analysis.

Key project types have included:

- Major **impact assessment and planning studies** for the private and public sector, including major Environmental Impact Statements, Review of Environmental Factors reports, and Environmental Management Plans for nearly 100 road projects and other infrastructure. Recent major work includes EIS authoring and management for the Galalar Silica Sand Project near Hope Vale, \$8.15 billion Aquis Resort at Yorkeys Knob, Cairns, terrestrial aspects of the Revised Draft EIS for the \$120 million Cairns Shipping Development Project, and development of resources and environmental strategies for the PDR.
- Inputs to Department of Transport and Main Roads **options analyses, business cases, and detailed designs** including preparation of Environmental Scoping Reports, Environmental Assessment Reports, Environmental Design Reports, WCLT assessments, and link plans for many Cairns District projects.
- **Regional and land use planning** involving participation in the Etheridge Shire Agricultural and Irrigation Precinct, Cape York Peninsula Land Use Strategy, Multiple Use Strategic Plan for the Southern Gulf of Carpentaria, Gulf Regional Development Plan, Thuringowa City Council Biodiversity Strategy, Whitsunday Hinterland and Mackay Regional Plan, Southern Cairns Integrated Land Use and Transport Study, Trinity Inlet Mgt Plan, and Torres Strait NRM Plan.
- **Coastal and harbour work** for PoTL's TIPEX project, dredge spoil disposal studies for the Port of Cairns including site selection for terrestrial and marine sites, sea dumping studies, and associated permitting and approvals.
- Applications for **approvals** under the *State Development and Public Works Organisation Act 1971 (Qld)*, *Environment Protection and Biodiversity Conservation Act 1999 (Cwlth)*, *Environmental Protection Act 1994 (Qld)*, *Wet Tropics Management Plan 1998 (Qld)*, and state (IDAS and other) approvals for works under biodiversity and natural resource management legislation.