

Company	Area of Responsibility	Key Personnel	Qualifications	Experience
Port Binnli Pty Ltd	<ul style="list-style-type: none"> <li>• Project Manager</li> </ul>	David Quinlan	B. Eng	<p>Prior to joining Port Binnli Pty Ltd in 2006, David had some 18 years experience in the natural resource management field with the Queensland and Western Australian Governments.</p> <p>David was based in Western Australia for 6 years where he was involved primarily with water supply infrastructure, hydrology and salinity investigations.</p> <p>During his 12 years with the Queensland State Government, David managed a range of natural resource management activities associated with land, water and vegetation resources.</p> <p>David was responsible for the Great Artesian Basin Sustainability Initiative across Queensland, which capped and piped some 500 flowing Artesian bores.</p> <p>In the 2 years prior to joining Port Binnli Pty Ltd, David was responsible for implementing the new legislative framework which phased out broad scale clearing in Queensland.</p> <p>David works for Port Binnli Pty Ltd as a Project Manager with responsibilities including the management of approvals processes for a range of property related projects.</p>
Cardno (Qld) Pty Ltd (Cardno Environment)	<ul style="list-style-type: none"> <li>• EIS Management, Writing and Compilation</li> <li>• Road Traffic Noise Assessment</li> <li>• Cyclone Evacuation Plan</li> <li>• Waste Management</li> <li>• Construction Environmental Management</li> </ul>	Michael Chessells (Project Director)	B. Sc. B. Sc Hons (Pollution & Health)	<p>Michael Chessells has been involved in over 1000 projects relating to environmental assessment and management and his experience and qualifications relating to environmental matters have been accepted under scrutiny of the Planning and Environment Court. Robertson DCJ in QPEC041 of 2003 reported "Having heard Mr Chessells give evidence on a number of occasions, I am inclined to accept that he is very careful to express opinions on the basis of supporting scientific evidence; and is (at least in relation to this environmentally sensitive development) averse to reliance on generalisations and 'motherhood' statements of intent. He has been consistent throughout in this regard."</p>

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	<ul style="list-style-type: none"> <li>• Acid Sulfate Soil Management</li> <li>• Marina Environmental Management</li> <li>• Hazard and Risk Assessment</li> <li>• Greenhouse Gas Assessment</li> </ul>			<p>Michael has 17 years commercial consulting experience in the development and environment industry and has provided specialist advice for projects concerning most aspects of environmental works.</p> <p>Michael has broad experience in environmental assessment and management, and has the capacity to successfully negotiate with regulatory authorities, other consultants, clients and the public.</p> <p>Michael joined Cardno to lead its Environmental team and provide a full range of environmental services to its client base. Prior to joining Cardno, Michael established an environmental consulting company and was Managing Director for a period of twelve years.</p>
		<p>Catriona Sutcliffe (Reviewer)</p>	<p>B. Sc. (Hons) M.Sc.</p>	<p>Catriona Sutcliffe is an environmental scientist with 12 years experience. Catriona joined Cardno in March 2004 after moving to Australia from the UK, where she spent three years in the commercial consulting environment, managing environmental impact assessments and other environmental projects and providing clients with specialist advice relating to water quality, pollution and compliance issues.</p> <p>Catriona has provided specialist advice to clients across a broad range of sectors, including infrastructure, commercial and residential construction, mining and quarrying, manufacturing industry and agriculture. She manages environmental projects from inception through to completion, and is experienced in the management of projects to ensure that work is completed according to programme and within budget.</p> <p>Catriona has wide experience in environmental assessment and management, and has the capacity to effectively communicate with stakeholders, and successfully negotiate with regulatory authorities, other consultants, clients and the public.</p>

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		Veronica Cavanough (Author)	B. App Sci (Ecology & Environmental Science) B. App Sci (Hons) (Protected Area Management) B. Ed (Secondary)	<p>After graduating from the Queensland University of Technology with the Dean's Award for Excellence, Veronica completed an honours project in Protected Area Management, more specifically the Fraser Island's Fire Ecology Group.</p> <p>Prior to joining Cardno, as an Environmental Scientist in February 2007, Veronica was an Environmental Officer with the Environmental Protection Agency.</p> <p>Veronica has a background in environmental auditing and inspections, providing advice on environmental matters to Government and industry representatives, specifically on noise and water, developing and reviewing environmental management plans and procedures. She is experienced in the Development Application process and interpreting and applying applicable legislation to development applications and proposals.</p>
		Erin Young (Author)	B. Env. Eng. (Hons)	<p>Erin is an Environmental Engineer who has worked with Cardno since August 2006. Erin undertook her university honours project on water quality monitoring and management integrating environmental education to complete her Environmental Engineering degree at Griffith University in 2004. Erin briefly worked for Brisbane Transport as an Environmental Officer before travelling to south Asia in 2005. There she carried out volunteer work in Nepal, undertaking environmental projects in environmental policy development, and recycling programs.</p> <p>Erin's work with Cardno has spanned across a range of sectors, including infrastructure, commercial and residential construction, mining and quarrying, manufacturing industry and agriculture. Her works have primarily included:</p> <ul style="list-style-type: none"> <li>• management of environmental approval and permit applications;</li> <li>• development of various environmental reports; and</li> <li>• technical management for long-running projects.</li> </ul>

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	<ul style="list-style-type: none"> <li>Matters of National Environmental Significance</li> </ul>	John Delaney (Project Manager)	B. Sci (Ecology)	<p>John Delaney is Cardno's Principal Ecologist with nearly 20 years experience as an ecologist and landscape management consultant. From 1987 to 1993 John held positions as a research scientist at the Centre for Catchment and In-stream Research, at Griffith University, and the Centre for Biological Population Management, at Queensland University of Technology.</p> <p>Since 1994 John has worked as an environmental consultant providing clients with service and advice in the areas of ecological surveys and assessments, bushfire hazard assessments and management plans, vegetation management plans, and project management options for ecologically sensitive areas. John has also provided clients with representation during the judicial review of land use planning decisions made by Local and State government authorities.</p> <p>John's services have been extensively utilised by both the private and public sector on a range of projects including small scale site assessments to regionally significant public infrastructure projects. The demand for ecological and landscape management services, such as those provided by John, continues to grow in response to the increasing demands placed on land developers/managers to achieve compliance with the Ecologically Sustainable Development principles and the associated requirements of Queensland, New South Wales and Commonwealth legislation having a ESD focus.</p>
Cardno Eppell Olsen	<ul style="list-style-type: none"> <li>Traffic Impact Assessment</li> </ul>	Anthony Burke	B. E (Civil)	<p>Anthony joined the firm as a Traffic Engineer in 2005. He has utilised has traffic engineering and planning skills on a variety of projects using strategic and micro simulation modelling packages such as EMME2 and Paramics.</p> <p>Anthony has just finished Wollongong Bus and CBD Traffic Implementation Plan Paramics modelling and Ipswich Motorway Upgrade EMME/2 Modelling. Anthony is currently working on Kawana Paramics Modelling, Lower Oxley Structure Plan,</p>

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				<p>Queensland Children's Hospital Master Plan, the University of Sunshine Coast Traffic and Parking Management Plan as well as several Traffic Impact Assessments.</p> <p>Anthony has strength in analysis capabilities in GIS and Relational Databases. Anthony brings to the firm advanced skills in GIS mapping, programming, software design and development as well as extensive experience with project management, client liaison and training. He also has skills in data management and analysis, and the implementation of Open GIS compliant systems.</p>
Cardno Lawson Treloar	<ul style="list-style-type: none"> <li>• Coastal Processes</li> <li>• Stormwater Management</li> </ul>	Neil Collins (currently with Gilbert & Sutherland Pty Ltd)	B.E. (Civil) M. Eng. Sci.	<p>Neil Collins is the Director of Cardno Lawson Treloar (Queensland) and has over 25 years extensive experience undertaking hydrologic, hydraulic and coastal projects. He is an acknowledged expert in these fields. He has been responsible for managing over 150 large to medium water engineering projects, involving water and wastewater numerical modelling of flow.</p> <p>Neil has undertaken floodplain studies throughout Queensland and interstate.</p> <p>Neil also has considerable experience in expert witness related work, having been involved in more than 35 appeals over the last 5 years. He is also Director of Delft Software Australia, agents for Delft Hydraulics of The Netherlands.</p>
		Daniel Niven	B.E (Civil) (Hons)	Specialist Water Engineer experienced in total stormwater management. This includes flood investigations and flood mitigation works, water quality investigations and water quality management strategies, water quality data collection (including handling of field equipment) & interpretations and tidal prism analysis.

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Cardno (Qld) Pty Ltd  (Cardno Civil Engineering)	<ul style="list-style-type: none"> <li>Engineering and Design</li> </ul>	Graeme McIlwain (Project Director, Reviewer)	B.E. Civil CPEng RPEQ 1470	Graeme McIlwain is a senior civil engineer with 36 years experience in all aspects of civil engineering and infrastructure projects. His specialist fields of practice include project management, feasibility studies, design and construction management of roads, highways, bridges, maritime structures, residential waterway developments and resorts, structural and infrastructure projects including contract administration.
		Stacy Curtis (Project Manager)	B.E. Civil (Hons) RPEQ 7109	<p>Stacy is a Senior Engineer within the Civil Infrastructure Business Unit in Cardno's Brisbane office. She has 8 years experience in the design, construction and asset management of civil infrastructure.</p> <p>In her current role within the Civil Infrastructure business unit Stacy is project managing various development projects including Shute Harbour Marina, Northeast Business Park, and a subdivision at Beachmere.</p> <p>Stacy joined Cardno in June 2004 after 5 years with Main Roads, Queensland. Since joining Cardno Stacy has continued to develop her civil and structural engineering skills working in various business units within the Cardno group. While working with Cardno Young Stacy project managed the design and construction of a major commercial development for the Canberra International Airport. Stacy has also worked with Cardno Alexander Browne as a structural design engineer on various projects including wharves and bridges.</p> <p>While working with Main Roads, Gympie, Stacy gained experience in project management, contract management, site superintendence and as site engineer for bridge construction and maintenance projects. Stacy also worked in the Bridge Asset Management Section of Main Roads, where she gained experience working on the development of the Department's bridge asset management system and load capacity assessment processes.</p>

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Cardno (Qld) Pty Ltd  Cardno Water Supply and Sewerage)	<ul style="list-style-type: none"> <li>• Water Supply and Sewerage</li> </ul>	Kane Macready	B.E. (Civil) Cert of Applied Science (ACAD Drafting) WH&S Officer Part 1	Kane is Manager of Water Supply and Sewerage for Cardno, Wide Bay Business Unit with over 7 years experience with local and state government infrastructure projects with specialisation in bulk and reticulated water supply to urban and industrial developments. His specific areas of expertise include water and sewerage supply planning, asset management, demand management, catchment hydrology, drought management, and water supply modelling.
Cardno Ullman and Nolan	<ul style="list-style-type: none"> <li>• Geological Investigation</li> <li>• Land Contamination</li> <li>• Acid Sulfate Soil</li> </ul>	Andrew Williams	MS. Env. Mgmt BSc.(Hons) Pg.Dip. CGeol	Andrew has 23 years experience in geotechnical, materials testing and environmental engineering, the majority of which has involved geotechnical investigation. <ul style="list-style-type: none"> <li>• Geotechnical site investigations;</li> <li>• Construction materials evaluation;</li> <li>• Environmental Investigations;</li> <li>• Acid Sulfate Soils Investigations and Management;</li> <li>• Groundwater hydrology;</li> <li>• Soft ground engineering;</li> <li>• Slope stability assessment; and</li> <li>• Earthworks operations and procedures.</li> </ul> Since arriving in Australia in 1998, Andrew has applied this broad spectrum of experience to suit local conditions. A skill to understand geomorphology and its engineering or environmental development implications for projects has been widely utilised in the coastal regions of Queensland and the Northern Territory. The management of geotechnical investigations from providing a cost effective proposal, through to maximising recovery of data to the design of solution for remediating or monitoring sites, is a regular practise.

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				<p>Andrew also manages a busy environmental and materials testing laboratories in Darwin and Mackay servicing the mining industry, private development and the tourism industry. Increasingly environmental applications of development are being investigated including acid sulphate soils and contaminated land surveys.</p>
Lectel Consulting	<ul style="list-style-type: none"> <li>• Electrical Design Advice</li> <li>• Telecommunications Design Advice</li> <li>• Gas Design Advice</li> </ul>	Des Clark (Consumer Projects Manager)	Certificate In Engineering (1969) Internal (Quality) Auditor (1999)	<p>Des Clark has over 40 years experience in the electricity and communications industry. His electrical experience includes project management, documentation (design and specification) of HV and LV electricity distribution for residential and industrial estates and to mines to 11kV, mine control systems, HV MCC witness testing, HV, LV and ELV installations, lightning protection systems, security, fire detection and protection, and standby generation systems for buildings including high rise buildings, regional shopping centres and communications facilities and of road lighting to Main Roads and Council Standards.</p> <p>His role at Lectel involves design and documentation and coordinating design and construction progress of electrical distribution, subdivision and road lighting projects, quality control, issue resolution and overseeing the daily operations of consumer, lighting and Ergon reticulation sections. Des also draws on his diverse background to provide inputs to specialist reports and business cases and liaise with clients, councils and utilities. He holds tertiary qualifications in engineering and is proficient in use of Powerpac, LV Drop, CalaPro and other specialist design software packages.</p>
		Peter Berry (Operations Manager)	Diploma of Business Management (2007) Diploma of Engineering (Civil)	<p>Peter Berry has a background of over 22 years in the telecommunications and electricity industry. His telecommunications experience includes copper and optic-fibre telephony, radio and television broadcasting, broadband cable and satellite pay TV construction, design and project management. His role at Lectel involves coordinating design and construction progress of electrical</p>



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			(1998) Certificate of Applied Science (CAD) (1998)	distribution, subdivision, street-lighting and telecommunications projects, quality control, issue resolution and overseeing the daily operations of the various departments. Peter also draws on his diverse background to provide inputs to specialist reports and business cases and liaise with clients, councils and utilities. He holds tertiary qualifications in Engineering and Business and is proficient in use of AutoCAD and other specialist design software packages. Peter is also Treasurer of the Building & Infrastructure Development Solutions (BIDS) cluster group, promoting development in Brisbane's northern corridor.
AEC Group Ltd	<ul style="list-style-type: none"> <li>• Net Benefit Assessment (Social and economic components and Review)</li> <li>• Economic Assessment</li> <li>• Social Assessment</li> </ul>	Ashley Page	B Ag Econ (Hons)	<p>Ashley is an Economist with the AEC Group Ltd's (AECgroup) Brisbane office and has considerable experience in financial and economic modelling, regional economic and industry development, socio-economic impact assessment, cost benefit analysis, feasibility and business planning, natural resource economics, and stakeholder consultation. Ashley has specialist expertise in quantitatively assessing economic and industry structures, establishing competitive strengths and identifying strategic industry opportunities with growth potential.</p> <p>Ashley has worked on a range of environmental impact assessment projects including dam infrastructure, sporting stadiums, food processing and heavy manufacturing.</p>
	<ul style="list-style-type: none"> <li>• Net Benefit Assessment (Environment component)</li> </ul>	Thor Lyster	B. App Sc. (Aquaculture) M. Bus (Econ)	<p>Thor is an economist in AEC Group Ltd's (AECgroup) Townsville office. Thor is regularly involved with a variety of projects across Australia and the Asia-Pacific for both private and public sector clients. Thor's projects typically involve a range of disciplines including market research, environmental assessments, economic and financial analysis and regional planning.</p> <p>Environmental projects undertaken by Thor include Environmental Impact Assessments in Queensland and the Pacific, pest and weed assessments, environmental and low-carbon tourism evaluation,</p>

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				<p>impacts of climate change on industry and regional economic competitiveness, remediation of acid sulphate and heavy metal contamination, marine surveys, nutrient mass-balance modelling and biofuels development.</p> <p>Thor is regularly asked to advise on issues that involve scientific and economic concerns, most recently speaking on a panel at the North Queensland Economic Conference on the opportunities and threats of climate change induced water stress on industry.</p>
AEC Group Ltd	<ul style="list-style-type: none"> <li>Hotel Demand Assessment</li> </ul>	David Sinclair	BSc. (Hons) MBA	David is Financial Analyst with the AECgroup and has over eight years experience and expertise in strategic planning, data analysis, risk and performance management. His recent work has focused on economic impact assessments, cost/benefit analyses, efficiency reviews and demand assessments.
Studio Teckton	<ul style="list-style-type: none"> <li>Architectural Design</li> <li>Master Plan</li> </ul>	John Loneragan	Bachelor of Architecture with Honours  Masters of Architecture	<p>John Loneragan is a Director of Studio Tekton and brings over 20 years of design experience to projects.</p> <p>From 1990 to 1994 John studied and worked in Texas, USA and today still continues his international affiliations as an associate Member of the American Institute of Architects (AIA) and Texas Society of Architects. John is a registered Architect in Queensland and Associate of the Royal Australian Institute of Architects (RAIA) since 1990. John was visiting Lecturer (Contextual Studies) &amp; Studio Critic at the Queensland University of Technology, Brisbane from 1995-2003.</p> <p>He joined the Urban Design Alliance in QLD in 2003 to contribute his expertise and was instrumental in bringing to Australia two international recognized Urban Designers (Robert Cowan in 2004 and Jan Gehl in 2005). John presented the paper <i>Designing Diversity</i> at the May 2006 Livable Cities Conference in Santa Fe, USA.</p>

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Yurrah Pty Ltd	<ul style="list-style-type: none"> <li>Landscape Character and Visual Amenity</li> </ul>	Nathan Powell	BBE (Land. Arch)	<p>Nathan is a Director of Yurrah Pty Ltd and has over 10 years experience in landscape and environmental consultancy, with particular skills in visual assessment, open space planning, constraints analysis and synthesis, and ecosystem restoration.</p> <p>Nathan also possesses a broad range of experience in environmental management and integrated landscape management and has been involved in a large number of significant projects in northern NSW, Gold Coast, Brisbane, Ipswich, Sunshine Coast and various parts of North Queensland.</p> <p>Since 1998, Nathan has undertaken and provided assistance in over 30 visual assessments, including 10 Planning and Environment Court appeals.</p>
PMM Brisbane	<ul style="list-style-type: none"> <li>Town Planning Report</li> <li>Local Area Plan</li> <li>Vision document</li> <li>Master Planning</li> </ul>	Cameron Hoffmann	<p>Bachelor of Applied Science (Surveying)</p> <p>Grad. Dip in Urban and Regional Planning</p>	<p>Cameron is a Partner with PMM Brisbane, with over 17 years experience as a Town Planning Consultant, focusing on masterplanned communities, regional planning and development innovation.</p> <p>Cameron has held a long standing commitment to sustainable development and fostering the understanding and adoption of its principles. The recognition of the need to accelerate the adoption of sustainable development practices led to his involvement in the creation of the Australian Green Development Forum in 2001. Cameron held a presence on the AGDF board from inception until 2006.</p> <p>Cameron's professional experience includes involvement in a range of large and/or innovative projects. Cameron was involved in the creation of the Ripley Valley Task Force and master planning processes and has undertaken overview roles for town planning processed for North Lakes for a number of years.</p> <p>Cameron has considerable experience in government policy responses, being principle author of numerous policy responses for the AGDF and PMM. He is/ was also a member of the following:</p>

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				<ul style="list-style-type: none"> <li>▪ reference committees to BCC City Plan review and LGMS;</li> <li>▪ Member of reference committee for SEQ Regional Water Supply Strategy;</li> <li>▪ Steering Committee for the Northern Region of the Moreton Bay Waterways Catchment Partnership;</li> <li>▪ Member of 'Expert Panel' for CRC for Catchment Hydrology's Triple Bottom Line Assessment Guidelines for Water Sensitive Urban Design; and</li> <li>▪ organising Committee for UDIA State Conferences from 1996 to current.</li> </ul>
		Wayne Window	Bachelor of Built Environment in Urban and Regional Planning Master of Urban and Regional Planning	<p>Wayne Window has over ten years of experience in town planning in both the Australian and British contexts, joining PMM Brisbane in 2006.</p> <p>Wayne has extensive experience in development assessment, masterplanning and urban renewal projects. Wayne has also prepared statutory plans and policies, and participated in strategic planning projects.</p> <p>Wayne's main role with PMM is to provide planning advice to Clients, formulate development strategies and manage the development approval and implementation processes for a wide range of projects.</p>
		Amy Marsden	B. Regional & Town Planning (Honours) Graduate Certificate of Law (Environment & Planning)	<p>Amy is a Senior Planner with over 10 years experience in local government and planning consultancies.</p> <p>Amy has a broad range of experience in planning, focusing on urban renewal, inner-city and in-fill development and master-planned communities. Amy has a keen interest in developing sustainable and livable communities that have a focus on excellent design outcomes, permeable and legible environments. Amy has a keen interest in policy development, legislation and community consultation.</p>

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				<p>Amy's main role with PMM is to provide strategic planning advice and strategies to Clients and manage the development approval process from inception through to construction.</p>
Three Plus	<ul style="list-style-type: none"> <li>Community Consultation</li> </ul>	Jane Delaney John	<p>Diploma Human Services in Management: Community Development</p> <p>Diploma Human Services: Community Development</p> <p>Diploma Human Services: Child Care</p> <p>Workplace Trainer and Assessor Cert IV</p> <p>Cross Cultural Workplace Trainer</p> <p>Community Relations, Performance Measurement, Statistical Writing, Quality Assurance</p>	<p>Three Plus Lead Community Engagement Consultant, Jane Delaney-John, brings to the Study Team a unique set of skills developed through a diversity of professional experiences in a wide variety of roles and disciplines. Jane has a 22-year career in senior management in the public and community sectors working as project manager, community planning and development manager, lecturer and social policy writer, immigrant settlement manager, employment officer, and early and middle childhood practitioner and trainer. In her role as Statistical Projects Manager for Australian Bureau of Statistics, Jane managed the development of statistical evidence to provide measures of Queensland's Progress across the domains of economy, environment and society/human capital. Prior to the ABS, Jane managed and led the Community Planning and Development Branch of the Ipswich City Council, servicing 146,000 people, 4,500 communities, cultural and recreational groups and 12 local council divisions. Key to the role was providing leadership in community engagement processes and building community capacity with local businesses, community groups and individuals in areas of urban development/renewal, resumption processes, and integrated service provision.</p> <p>These experiences have provided Jane with an in-depth understanding and ability to provide a level of professional service to clients to address complex social, economic and environmental issues, and provide targeted models of service response to increase stakeholder participation in major initiatives and promote active citizenship. Jane has prepared a wide variety of Community Consultation Strategic Plans on behalf of corporate and non profit sector organisations including:</p> <ul style="list-style-type: none"> <li>The Australian Bureau of Statistics, Queensland Office:</li> </ul>

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			Processes	<p>Measures of Queensland's Progress, well-being indicators and statistical evidence project;</p> <ul style="list-style-type: none"> <li>• ACCESS Program Multicultural Supplementary Services; Migrant Settlement Services Ipswich City Council; and</li> <li>• Ipswich Management of Public Intoxication.</li> </ul> <p>Jane has also presented papers at International conferences (World Child Care Conference Hawaii 2001 New Zealand 2002 and State Conferences OSHC 2003 &amp; 2004) on effective Community Consultation models for collectivist societies and improved access and equity for Aboriginal, Torres Strait Islander and culturally and linguistically diverse families.</p>
FRC	<ul style="list-style-type: none"> <li>• Aquatic Ecology</li> </ul>	John Thorogood	M.Sc. Ph.D. FAIBiol. FEIANZ	<p>John is the founding Principal of frc environmental, a consultancy specialising in aquatic biological resource and environmental assessment and management.</p> <p>John has specialised skills in fisheries science; aquatic environmental assessment, management, planning and monitoring; aquatic biological surveys; ecosystem studies; and aquaculture. He has well-developed leadership, organisational and team building skills, as well as practical field and laboratory expertise and experience. Using these skills, John has undertaken a variety of projects in Australia and overseas, and has developed and presented a range of courses at tertiary institutions in Australia and government agencies overseas. John is frequently asked to sit on Technical Assessment and Review Panels for AusAID; and to provide expert witness under a range of jurisdictions.</p> <p>John has extensive first-hand experience of Shute Bay and adjoining waters, and of contributing to EISs relating to major coastal infrastructure.</p>

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Pacific Southwest	<ul style="list-style-type: none"> <li>Marina Precinct Demand and Economic Impact</li> </ul>	Philip Graham	B. Eng	<p>Phillip Graham has been involved in numerous projects relating to market research and analysis, feasibility studies including capital cost estimates, operating cost modelling and site assessment, regional economics, product development, infrastructure assessment and development.</p> <p>Phillip has 29 years experience in local government and consulting to the development industry, government and private industry and has provided specialist advice for public and private projects relative to engineering and economic issues.</p> <p>Phillip joined Pacific Southwest Strategy Group in 2001 as a senior consultant to provide economic and strategic assessment to its client base. Prior to joining Pacific Southwest Strategy Group, Phillip was employed in a consulting engineering capacity for a period of 12 years and prior to that as an engineer in local government for a period of 11 years.</p>
The Horny Institute	<ul style="list-style-type: none"> <li>Cultural Heritage Assessment</li> <li>Cultural Heritage Management</li> </ul>	Michelle Bird		<p>Michele Bird is a fully qualified archaeologist with extensive experience in undertaking cultural heritage consultancies. She is a Full Member of the Australian Association of Consulting Archaeologists Incorporated (MAACA Inc.).</p> <p>She has over 18 years experience working as a cultural heritage consultant throughout Queensland and she is currently a Co-Director of Northern Archaeology Consultancies Pty Ltd (Townsville).</p> <p>During her career as a consultant, Michele has carried out over 300 cultural heritage impact assessment studies for Government and corporate clients, private developers, Aboriginal corporations, land councils and mining companies. Michele has extensive experience in undertaking cultural heritage assessment projects in North Queensland, and especially in the broader Proserpine -Townsville region.</p>

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				Michelle has an established rapport with Aboriginal Traditional Owner groups in North Queensland and a detailed knowledge of the regional archaeological and cultural heritage record.
Natural Solutions	<ul style="list-style-type: none"> <li>Megafauna Management</li> </ul>	David Carberry	B App Sc (Hons) MEIA	<p>David has an extensive background in community consultation and natural resources management, particularly Integrated Catchment Management, wastewater, land use and water quality. He has particular expertise in community, government and industry consultation and with his technical knowledge is able to communicate effectively and efficiently with both stakeholders and technical team members.</p> <p>David has had formal training in both consultation and facilitation. He has also developed and implemented catchment and stormwater strategies and action plans, facilitated and developed environmental policies and strategies at a State Government level, undertaken numerous catchment investigations into various natural resources issues and pursued natural resources management from an academic perspective whilst employed by the University of Sydney. David has also been involved in numerous wetland and stormwater management investigations and designs.</p>
		John Kennedy	B Sc (Hons) M. Sc (Env. Man) G. Cert Env. Eng.	John is a Senior Marine Scientist with over 15 year experience. He specialises in marine and coastal management. He has significant experience with issues associated with dredging and port operations, discharges to rivers and oceans, environmental management for a range of coastal industries and coastal planning approvals. He is also a qualified and experienced commercial diver.



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Place Environmental	<ul style="list-style-type: none"> <li>Terrestrial Ecology</li> </ul>	Wayne Moffitt	B. SC (AES) MEIA	<p>Wayne Moffitt is a Director of PLACE Design Group, and the Manager of PLACE Environmental.</p> <p>With over 10 years experience as an environmental manager and ecologist in Queensland, Wayne is very familiar with the unique qualities of this region, its complex land management issues and the regulatory framework that affords it protection. Wayne has led assessments in a wide range of environments and development settings, and has significant expertise in the assessment of linear infrastructure.</p>
		Andrew Dickinson	B. Sc (Australian Environmental Studies) Grad Cert Env. Mgt	<p>Andrew is the Queensland Manager of PLACE Environmental. He is an environmental scientist - ecologist with over 17 year's consulting experience specialising in impact assessment, terrestrial and freshwater ecological assessment, biodiversity planning and management. He has additional skills in resource management, revegetation and rehabilitation planning, weed and pest management.</p> <p>With respect to ecological surveys he has a diverse experience in biological assessments, identification and management of impacts within a variety of northern and central Australian, and east coast biogeographic regions. He has routinely designed, managed and implemented a range of baseline and targeted (threatened species) surveys for terrestrial and in-stream biota and has developed management plans for these.</p> <p>Andrew has provided services to clients in both the private and public sectors on a range of mining, industrial, commercial, residential and public infrastructure projects. The scale of these has ranged from small scale sites through to some of the countries most significant mining and industrial developments.</p> <p>This experience has provided Andrew with an extensive understanding of relevant State and Commonwealth Legislation as these apply to the practical implementation of contemporary</p>

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				<p>environmental planning practice. This knowledge allows Andrew to assist clients in developing solutions that respond to an increasingly complex legislative framework, and community demands for appropriate ESD and natural resource management responses.</p>
<p>Thompson Clarke Shipping Pty Ltd</p>	<ul style="list-style-type: none"> <li>Marine Traffic Study</li> </ul>	<p>Captain Steve Hunt FNI</p>	<p>Master Mariner Class 1  Diploma in Safety Management</p>	<p>For over 40 years Steve Hunt has been actively employed in the maritime industry initially in Europe and subsequently in the South West Pacific. He spent 22 years at sea followed by some 16 years in senior executive positions in Operations Management in both ferry and cruise companies before moving into maritime consultancy. Most recently he has undertaken a number of consulting projects for ship operators, ports, and training institutions in the marine industry. His career appointments have included:</p> <ul style="list-style-type: none"> <li>Port Operations Manager: P&amp;O European Ferries</li> <li>General Manager – Safety &amp; Marine Operations: P&amp;O Cruises</li> <li>General Manager – Operations: P&amp;O Cruises</li> <li>Group General Manager Safety: P&amp;O Australia</li> <li>Operations Manager: Sydney Ferries</li> </ul> <p>Steve’s particular expertise relates to port and vessel operations, safety and marine security. He has extensive experience in passenger ship operations in both the cruise and ferry sectors and is a qualified safety and security auditor.</p> <p>Since joining TCS in 2005 Steve has undertaken several important consultancies for major clients including the Whitsunday Pilotage Review for MSQ, the Underkeel Clearance Study of Torres Strait for AMSA and a Risk Review of Harbour Control for the Sydney Ports Corporation.</p>