

Appendix C

Study Team



Northern Energy Corporation Limited



STUDY TEAM

Table 1: Study Team for the Elimatta Environmental Impact Statement

EIS Section and Title Reference	Study Component	Name	Company and Title
<i>EIS Management</i>			
	All	Peter Isles	Northern Energy Corporation, Project Consultant
	All	Gareth Bramston	AustralAsian Resource Consultants, Principal Scientist
<i>EIS Technical Review</i>			
	All	Andrew Pearce	AustralAsian Resource Consultants, Operations Manager & Principal Environmental Scientist
	All	Alison Pearce	AustralAsian Resource Consultants, Principal Environmental Scientist
	All	Gareth Bramston	AustralAsian Resource Consultants, Principal Scientist
<i>Community Consultation</i>			
	Community Consultation	Noel Harvey	Three Plus, Principal Consultant
	Community Consultation	Nadia Cavallaro	Three Plus, Senior Consultant
<i>Mapping and Graphics</i>			
	All	Russell Aspland	The Minserve Group Pty Ltd, Cartographer
<i>EIS</i>			
Executive Summary	All	Hannah Mitchell	AustralAsian Resource Consultants, Environmental Scientist
		Damien Morey	AustralAsian Resource Consultants, Environmental Scientist



EIS Section and Title Reference	Study Component	Name	Company and Title
Chapter 1 - Introduction	Project Proponent Project Description Project Objectives and Scope EIS Process Public Consultation Process Project Approvals Accredited Process for Controlled Actions under Commonwealth Legislation	Damien Morey	AustralAsian Resource Consultants, Environmental Scientist
		Peter Isles	Northern Energy Corporation, Project Consultant
Chapter 2 - Project Need and Alternatives	Project Justification Alternatives to the Project	Gareth Bramston	AustralAsian Resource Consultants, Principal Scientist
		Peter Isles	Northern Energy Corporation, Project Consultant
Chapter 3 - Description of the Project	Location Construction Operations Product Handling Infrastructure Requirements Waste Management Rehabilitation and Decommissioning	Damien Morey	AustralAsian Resource Consultants, Environmental Scientist
		Gareth Bramston	AustralAsian Resource Consultants, Principal Scientist
		Peter Isles	Northern Energy Corporation, Project Consultant
Chapter 4 - Environmental Values and Management of Impacts	Climate Land Transport Waste	Damien Morey	AustralAsian Resource Consultants, Environmental Scientist

EIS Section and Title Reference	Study Component	Name	Company and Title
	Water Resources Air Noise and Vibration Ecology Cultural Heritage Social Health and Safety Economy Hazard and Risk Cross-reference with the terms of reference	Hannah Mitchell	Australian Resource Consultants, Environmental Scientist
		Gareth Bramston	AustralAsian Resource Consultants, Principal Scientist
		Adele Maguire	AustralAsian Resource Consultants, Environmental Scientist
Chapter 5 - Environmental Management Plan	All	Gemma Connolly	AustralAsian Resource Consultants, Senior Environmental Scientist
		Gareth Bramston	AustralAsian Resource Consultants, Principal Scientist
Chapter 6 - Commitments not included in the Environmental Management Plan	All	Gemma Connolly	AustralAsian Resource Consultants, Senior Environmental Scientist
		Damien Morey	AustralAsian Resource Consultants, Environmental Scientist
References	All	Damien Morey	AustralAsian Resource Consultants, Environmental Scientist
		Natalie Parckar	AustralAsian Resource Consultants, Corporate Support
Appendices & Specialist Reports			
Appendix A - TOR	All	n/a	n/a
Appendix B - Development Approvals	All	Hannah Mitchell	AustralAsian Resource Consultants,



EIS Section and Title Reference	Study Component	Name	Company and Title
			Environmental Scientist
		Damien Morey	AustralAsian Resource Consultants, Environmental Scientist
Appendix C - Study Team	All	Hannah Mitchell	AustralAsian Resource Consultants, Environmental Scientist
		Damien Morey	AustralAsian Resource Consultants, Environmental Scientist
Appendix D - Standard Criteria	All	Adele Maguire	AustralAsian Resource Consultants, Environmental Scientist
		Damien Morey	AustralAsian Resource Consultants, Environmental Scientist
Elimatta Coal Mine - Air Quality and Greenhouse Gas Assessment	Existing Air Quality Air Quality Assessment Greenhouse Gas Assessment Greenhouse Gas Abatement	Stephen Pugh	ASK Consulting Engineers Pty Ltd, Director
		Dave Cloughton	ASK Consulting Engineers Pty Ltd, Engineer
		Ben Brooks	ASK Consulting Engineers Pty Ltd, Engineer
West Surat Rail Link Air Quality Assessment	Existing Air Quality Air Quality Assessment Greenhouse Gas Assessment	Andrew Martin	ASK Consulting Engineers Pty Ltd, Air Quality Manager & Senior Scientist
		Khashayar Badii	ASK Consulting Engineers Pty Ltd, Senior Scientist
		Aida Muratbegovic	ASK Consulting Engineers Pty Ltd, Project Scientist
Elimatta Project - Water Morphology and Aquatic Ecology Assessment Report	Aquatic Ecology	Dominique Taylor	AustralAsian Resource Consultants, Ecologist
		Hollie Dick	AustralAsian Resource Consultants, Ecologist
Contaminated Land Assessment	Contaminated Land	Paul Jackson	AustralAsian Resource Consultants, Principal Environmental Scientist
Economic Impact Assessment	Economic Assessment	Jeff Lassen	Synergies Economic Consulting, Director
		Professor John Mangan	Synergies Economic Consulting,



EIS Section and Title Reference	Study Component	Name	Company and Title
			Principal
		Ross Culpitt	Synergies Economic Consulting, Associate Director
Northern MLA Flood Study Southern MLA Flood Study Horse Creek Diversion Design	Flood Studies Creek Diversion	Dan Evans	Parsons Brinckerhoff Australia Pty Ltd Senior Environmental Scientist
		Gavin Wray	Parsons Brinckerhoff Australia Pty Ltd Principal Civil Engineer
		Anthony Gaffney	Parsons Brinckerhoff Australia Pty Ltd Senior Water Resources Engineer
		Karl Umlauff	Parsons Brinckerhoff Australia Pty Ltd Water Engineer
		Sarah Bish	Parsons Brinckerhoff Australia Pty Ltd Principal Hydrogeologist
		Li-Ang Yang	Parsons Brinckerhoff Australia Pty Ltd
		Butch Rossouw	Parsons Brinckerhoff Australia Pty Ltd, Principal Environmental Consultant
Elimatta Project - Terrestrial Flora and Fauna Assessment	Terrestrial Ecology	Gareth Bramston	AustralAsian Resource Consultants, Principal Scientist
		Dominique Taylor	AustralAsian Resource Consultants, Ecologist
		Kurtis Lindsay	AustralAsian Resource Consultants, Ecologist
Greenhouse Gas Management Plan	Management of Greenhouse Gas Emissions	Hannah Mitchell	AustralAsian Resource Consultants, Environmental Scientist
		Gareth Bramston	AustralAsian Resource Consultants, Principal Scientist
Groundwater Assessment	Groundwater Hydrology	James Tomlin	AustralAsian Groundwater and Environmental Consultants, Director/Principal
		Roderick Bain	Streamline Hydro, Director & Senior Groundwater Engineer
Elimatta Coal Mine - Noise Impact Assessment	Noise Impact Assessment and Abatement	Stephen Pugh	ASK Consulting Engineers Pty Ltd, Director



EIS Section and Title Reference	Study Component	Name	Company and Title
		Dave Cloughton	ASK Consulting Engineers Pty Ltd, Engineer
		Ben Brooks	ASK Consulting Engineers Pty Ltd, Engineer
West Surat Rail Link Noise Impact Assessment	Noise Impact Assessment and Abatement	Stephen Pugh	ASK Consulting Engineers Pty Ltd, Director
Non-Indigenous Cultural Heritage Assessment, Elimatta Project	Non-Indigenous Cultural Heritage Assessment	Karen Townrow	Converge Heritage + Community Pty Ltd, Senior Consultant
		Benjamin Gall	Converge Heritage + Community Pty Ltd, Director
		Xavier Carah	Converge Heritage + Community Pty Ltd, Consultant
Non-Indigenous Cultural Heritage Assessment, Elimatta Project, Rail and Services Corridor	Non-Indigenous Cultural Heritage Assessment	Karen Townrow	Converge Heritage + Community Pty Ltd, Consultant
Rail and Services Corridor - Terrestrial Ecology Assessment	Terrestrial Ecology	Dominique Taylor	AustralAsian Resource Consultants, Ecologist
		Kurtis Lindsay	AustralAsian Resource Consultants, Ecologist
Rail and Services Corridor Aquatic Ecology Assessment	Aquatic Ecology	Hollie Dick	AustralAsian Resource Consultants, Ecologist
Social Impact Assessment and Social Impact Management Plan	Social	Ian Dymock	AustralAsian Resource Consultants, Senior Consultant
		Fiona Murcott	Think Business Solutions
Elimatta Project - Soil and Land Suitability Assessment	Soil and Land	Neil Cupples	AustralAsian Resource Consultants, Senior Environmental Scientist
Elimatta Rail and Services Corridor Soil and Land Suitability Assessment	Soil and Land	Bill Thompson	Land Resource Assessment and Management Pty Ltd
		Peter Shields	Land Resource Assessment and Management Pty Ltd
Stygofauna Survey	Stygofauna	Dr Stephan Eberhard	Subterranean Ecology Pty Ltd, Director and Senior Principal Scientist
		Giulia Perina	Subterranean Ecology Pty Ltd, Senior Scientist



EIS Section and Title Reference	Study Component	Name	Company and Title
		Steven Catomore	Subterranean Ecology Pty Ltd, Field, Technical and Safety Officer
Water Management Strategy	Surface Water	Bradley Tite	JBT Consulting Pty Ltd, Principal Water Engineer
Tailings Management	Tailings	Professor David J Williams	The University of Queensland, Golder Professor of Geomechanics
Transport Impact Study	Transport	Damien Morey	AustralAsian Resource Consultants, Environmental Scientist
Road Impact Assessment	Transport	Aldo Strydom	Parsons Brinckerhoff Australia Pty Ltd Senior Transport Planner
		Richard Maxwell	Parsons Brinckerhoff Australia Pty Ltd Project Reviewer
		Nathan Durnin	Parsons Brinckerhoff Australia Pty Ltd Transport Planner
		Darrin White	Parsons Brinckerhoff Australia Pty Ltd Senior Road Designer
Visual Amenity Assessment	Visual Amenity	Michelle O'Rourke	AustralAsian Resource Consultants, Environmental Scientist
Environmental Risk Assessment	Hazard and Risk	Adele Maguire	AustralAsian Resource Consultants, Environmental Scientist
Geochemical Assessment of the Elimatta Project	Waste Rock	Warwick Stewart	Environmental Geochemistry International Pty Ltd, Senior Consultant
		Stuart Miller	Environmental Geochemistry International Pty Ltd, Managing Director



Table 2: EIS Study Team Qualifications

Name	Company and Title	Qualifications and Experience
Peter Isles	Northern Energy Corporation, Project Consultant	B. Eng. Mining (Hons), M Eng. Sc. Peter has over 30 years experience in the Australian mining industry, both coal and metaliferous, having held positions in general, corporate, project and operations management.
Gareth Bramston	AustralAsian Resource Consultants, Principal Scientist	B. Sc. (Hons) Gareth has 6 years experience in the environmental management and mining industry with key skills in ecology, environmental auditing and project management.
Andrew Pearce	AustralAsian Resource Consultants, Operations Manager & Principal Environmental Scientist	B. Ag. Sc. (Land Resource Mgt.) Andrew has over 19 years experience in environmental management within the mining and agricultural industries with key skills in statutory approvals, rehabilitation programs, environmental management systems and compliance auditing.
Alison Pearce	AustralAsian Resource Consultants, Principal Environmental Scientist	B. Sc. Alison has over 10 years experience in environmental impact assessment and ecological assessment in Queensland. Alison has also been involved in environmental and social impact assessments, compliance audits and government liaison for international mining projects in Asia and Europe.
Damien Morey	AustralAsian Resource Consultants, Environmental Scientist	B. Env. Mgt. (Hons) Damien is an environmental scientist focussing on land management, environmental monitoring and environmental management planning.
Hannah Mitchell	AustralAsian Resource Consultants, Environmental Scientist	B. Env. Sc., B. Bus. Mgt. Hannah is an environmental scientist with key skills in environmental monitoring, environmental auditing and regulatory approvals.
Gemma Connolly	AustralAsian Resource Consultants, Senior Environmental Scientist	B. Sc. (Environmental Biology) & B. Soc. Sci. (Geography) Gemma has 5 years experience in the mining and land development sectors with key skills in contaminated site, acid sulphate soils, due diligence and EIS.
Adele Maguire	AustralAsian Resource Consultants, Environmental Scientist	B. App. Sc. (Env. Sc.) Adele is an environmental scientist with key skills in soil and water quality assessment, and ecological investigations.
Dominique Taylor	AustralAsian Resource Consultants, Ecologist	B. App. Sc. (Wildlife Science) (Hons) Dominique has three years of experience in environmental



Name	Company and Title	Qualifications and Experience
		impact assessment and ecological assessment in the natural resources and major infrastructure sectors. Her experience ranges from baseline studies for exploration sites, to ongoing environmental management and rehabilitation of historical extraction sites, in both Queensland and New South Wales.
Paul Jackson	AustralAsian Resource Consultants, Principal Environmental Scientist	B.Sc. (Hons) Biology, M.Sc. (Biotechnology), Ph.D. (Biotechnology) Paul's early career focussed on the field of environmental biotechnology, followed by twelve years in contaminated land assessment / remediation. In recent years his experience has been primarily focussed on the mining sector, specifically environmental assessment and approvals.
Neil Cupples	AustralAsian Resource Consultants, Senior Environmental Scientist	B. Natural Resources, M. Agriculture Neil has over eight years of environmental experience across the mining, construction and agricultural industries. His experience includes environmental management in the resources sector, research and extension in land resource science, work as a government regulator and environmental impact assessment in the construction industry.
Michelle O'Rourke	AustralAsian Resource Consultants, Environmental Scientist	B. Env. Sc. & Env. Mgt. Michelle is an Environmental Scientist with key skills in visual amenity assessment, regulatory approvals and GIS mapping.
Ian Dymock	AustralAsian Resource Consultants, Senior Consultant	B. Arts (Journalism) Ian Dymock has been involved in corporate communications for more than 30 years, both as a consultant and in senior public affairs roles. Ian has broad experience in developing and delivering strategic communications, and has been involved in implementing a variety of initiatives to build long term relationships with a range of stakeholders.
Kurtis Lindsay	AustralAsian Resource Consultants, Ecologist	B. Sc. (Biology) (Hons) Kurtis specialises in terrestrial ecological assessments, with experience in a range of other areas, including aquatic assessment, post-contamination monitoring programs and mine site rehabilitation monitoring.
Hollie Dick	AustralAsian Resource Consultants, Ecologist	B. App. Sc. (Wildlife Science) (Hons) Hollie has 4.5 years of experience in ecological assessment. Hollie's experience includes aquatic and terrestrial flora and fauna surveys, fauna rescue programs, remnant vegetation and habitat assessments, as well as targeted searches and



Name	Company and Title	Qualifications and Experience
		monitoring surveys for threatened species.
Russell Aspland	The Minserve Group Pty Ltd, Cartographer	Assoc. Dip. Cartography Russell has over 20 years experience as a cartographer using the latest software to produce maps of the highest cartographic standard. Russell has cartographic expertise in every aspect of mine planning and operations, including environmental analysis, geographical exploration and open cut mine stage plans.
Noel Harvey	Three Plus, Principal Consultant	B. App. Sci. (Environmental Health), Dip. RSH (Public Health) Noel has over 42 years experience within economic development, industry development, community and human services with specialist skills in project strategic communication, issues mitigation and community engagement.
Nadia Cavallaro	Three Plus, Senior Consultant	B. Communications Nadia has more than six years of journalism and public relations experience, with particular expertise in the mining sector. As a senior consultant and former journalist she has strong writing and research skills and knows how best to communicate client key messages.
Stephen Pugh	ASK Consulting Engineers Pty Ltd, Director	B. Eng. Mech. (Hons) Stephen Pugh is a Director at ASK Consulting Engineers and has gained significant experience over the past 16 years as a Mechanical Engineer in the specialist fields of Acoustics, Vibration and Air Quality.
Dave Claughton	ASK Consulting Engineers Pty Ltd, Engineer	B. Eng. Env., B. Sc. Dave is a Project Engineer at ASK Consulting Engineers and has gained considerable experience over the past 5 years as an Environmental Engineer in the specialist fields of Air Quality, Acoustics and Vibration.
Ben Brooks	ASK Consulting Engineers Pty Ltd, Engineer	B. Eng. Mech. & Space. Ben is a Project Engineer at ASK Consulting Engineers and has gained experience over the past four years in the specialist fields of Acoustics, Vibration and Air Quality.
Jeff Lassen	Synergies Economic Consulting, Director	B. Economics, B. Economics (Hons 2A), M. Economic Studies Jeff is an economist with 29 years experience specialising in economic policy development, evaluation and review; the evaluation and development of business cases and project evaluation. Jeff also has extensive experience in leading, managing and delivering major projects to successful



Name	Company and Title	Qualifications and Experience
Professor John Mangan	Synergies Economic Consulting, Principal	conclusions. B. Economics, Diploma of Education, M. Economic Studies, M. Arts, PhD. Professor Mangan has 40 years of experience as an economist and is a professor of economics at the University of Queensland and a Principal at Synergies. John has a wide area of research interests in economics and is a skilled economic modeller.
Ross Culpitt	Synergies Economic Consulting, Associate Director	B. Economics Ross has gained 30 years experience as an economist and 5 years experience as a consultant. Ross began his career as an agricultural economist where he developed significant expertise in benefit-cost analysis, research evaluation and statistical analysis and survey design. Over the past 15 years Ross has worked in regulatory economics where he has developed expertise in developing regulatory cost and pricing models.
James Tomlin	Australasian Groundwater and Environmental Consultants, Principal/Director	Cert. Sci., B. Sci., M. Sci. James has 15 years experience in the consulting industry and has managed hydrogeological studies for mining approvals in the Bowen Basin, Surat Basin, Gunnedah Basin and Hunter Valley.
Roderick Bain	Streamline Hydro, Director & Senior Groundwater Engineer	B. Eng. (Hons) Roderick has 13 year's experience as an environmental and groundwater engineer. He has a diverse background with experience in groundwater sampling, test pumping, bore inspection, bore rehabilitation, installation and monitoring systems, groundwater de-watering and supply, environmental impact assessments, regulatory processes and remediation.
Dan Evans	Parsons Brinckerhoff Australia Pty Ltd, Environmental Scientist	B.Sc (Env Science), PhD (Geography) Dan is an Environmental Scientist with 16 years' experience as a river specialist. Dan's responsibilities on the project included a gap-review of the geomorphology work undertaken, performing a walkover assessment of the site, preparation of a geomorphology assessment report of the existing watercourse, assisting with concept design of diversions, and analysis of sediment transportation regimes for existing and diverted watercourses.
Gavin Wray	Parsons Brinckerhoff Australia Pty Ltd, Principal Civil Engineer	B.Sc (Civil Engineering), LLB, Post-grad Diploma (Water Engineering) Gavin is a Principal Civil Engineer with over 23 years of experience in the civil engineering field, with the last 5



Name	Company and Title	Qualifications and Experience
		predominantly spent in the mining sector. His experience includes the design and construction certification of dams, levees and creek diversions.
Anthony Gaffney	Parsons Brinckerhoff Australia Pty Ltd, Senior Water Resources Engineer	B.Eng (Civil)(Hons) Anthony is an engineer with 16 years of experience covering hydrology, hydraulic design and water resources. His key technical expertise lies in water resources and flood modelling (1-D and 2-D) with project experience covering flood studies, hydrologic and hydraulic studies, bridge pier scour assessments, wetland design, culvert design, remediation work and regional water resource studies.
Karl Umlauff	Parsons Brinckerhoff Australia Pty Ltd, Water Engineer	B.Eng (Environmental)(Hons) Karl is a water engineer with 12 years of experience in stormwater engineering. Working in local government engineering and as a consultant in the private sector, he has developed his experience in hydrological, hydraulic and water quality modelling. Karl has prepared urban drainage catchment models and conducted geographical information system (GIS) analysis. Karl's abilities include two-dimensional flood modelling for urban development and mine sites.
Sarah Bish	Parsons Brinckerhoff Australia Pty Ltd, Principal Hydrogeologist	B.AppSc (Applied Geology), M.AppSc (Hydrogeology and Groundwater Management), Dip. Management. Sarah is a Principal Hydrogeologist with over 22 years of experience working with government, private consulting, United Nations and non-government humanitarian agencies with a focus on: project management; water resources regulation, policy and planning; groundwater mapping; environmental assessment; climate change adaptation; disaster risk reduction planning; emergency interventions; development programming; and groundwater supply. She has experience in modelling and mapping of groundwater resources as well as groundwater management in mining environments.
Li-Ang Yang	Parsons Brinckerhoff Australia Pty Ltd, Principal Geotechnical Engineer	B.Eng (Hydrogeology and Engineering Geology), M.Eng (Geotech Eng), PhD (Geotech Eng) Dr Yang has been a geotechnical design team leader of major infrastructure projects and he has in depth technical and practical knowledge around geotechnical engineering and engineering geology in general. His work experience covers geotechnical design, site investigation, construction phase supervision, and research in Australia, UK, Singapore, and China. Dr Yang's main areas of technical expertise are in ground interpretation and reporting, earthworks, slope



Name	Company and Title	Qualifications and Experience
		stability analysis, retaining wall design including contiguous bored pile walls, ground anchors, and soil nailing etc, railway/highway foundation design and analysis, pile foundations, deep excavations in soft or difficult ground, planning geotechnical site investigation, planning instrumentation and monitoring, advanced laboratory testing, geotechnical numerical modelling, and land reclamation
Butch Rossouw	Parsons Brinckerhoff Australia Pty Ltd, Principal Environmental Consultant	National Diploma of Nature Conservation, Higher Certificate of Project Management Butch has over 22 years of experience in environmental assessment and management, and recently managed the approvals process for the Middlemount Creek Diversion Project. Butch was responsible for developing a concept revegetation management plan for the proposed diversion as well as managing interactions with the regulator during the development of diversion options.
Karen Townrow	Converge Heritage + Community Pty Ltd, Senior Consultant	B. Arts (Hons) Karen has 10 years experience in the cultural heritage management industry with key skills in archaeology and European (non-Indigenous) cultural heritage management.
Benjamin Gall	Converge Heritage + Community Pty Ltd, Director	B. Arts Benjamin has 10 years experience in the cultural heritage management industry with key skills in project management, built heritage and European (non-Indigenous) cultural heritage management.
Xavier Carah	Converge Heritage + Community Pty Ltd, Consultant	B. Arts (Hons) Xavier's experience in the cultural heritage management industry has equipped him with key skills in archaeology.
Fiona Murcott	Think Business	BA (Journalism, Australian Government), Grad Dip (Professional Communication) Fiona has over 20 years experience and expertise in stakeholder engagement, social impact assessment and management, public affairs, communication and marketing within the mining and construction industries. This includes in-house roles with blue-chip companies and founding a successful consultancy that services a diverse range of prestigious repeat-business clients.
Bill Thomson	Land Resource Assessment and Management Pty Ltd	B. Agr. Sc. Bill is a resource management specialist with more than 30 years experience in Australia and internationally as a land resources specialist, resources planner, development planner, land use planner, land management specialist, irrigation soil



Name	Company and Title	Qualifications and Experience
		specialist and soil conservationist.
Peter Shields	Land Resource Assessment and Management Pty Ltd	B. Agr. Sc. Peter is a soil scientist with more than 30 years field experience in land resource assessment for broad scale regional planning, feasibility studies for agricultural development, industry planning, environmental impact assessment and development planning.
Dr Stephan Eberhard	Subterranean Ecology Pty Ltd, Director and Senior Principal Scientist	B. Sc., M. Sc., PhD Stephan is a leading scientist in his field with over 25 years professional employment and research experience in invertebrate ecology, subterranean ecosystems, troglodfauna, stygofauna, caves and karst.
Giulia Perina	Subterranean Ecology Pty Ltd, Senior Scientist	B. Sc., M. Sc. Giulia is a dedicated scientist and speleologist with particular expertise in invertebrate identification, para-taxonomy, photo-microscopy, data management and field survey.
Steven Catomore	Subterranean Ecology Pty Ltd, Field, Technical and Safety Officer	Dip. Env. Sc. Steven has 4 years diverse experience in technical roles spanning the environmental consulting and resource sectors with key skills in field surveys, remote area operations, occupational health & safety and laboratory/data.
Peter Hancock	Eco Logical Australia Senior Aquatic and Groundwater Ecologist	Peter has been researching stygofauna since 1996, and completed both his PhD and Postdoctoral research projects on the impacts of different management practices on stygofauna ecology. He has extensive experience in sampling stygofauna for coal projects in central Queensland and other mines in northern Queensland, and has worked extensively on iron-ore mines in the Pilbara region of Western Australia. Peter has planned and conducted ecological surveys of many Australian ecosystem types.
Bradley Tite	JBT Consulting Pty Ltd, Principal Water Engineer	B. Eng. (Civil) Brad has 27 years experience in the water engineering industry with key skills in the fields of mine water management, catchment hydrology, flood plain management and the design of hydraulic structures.
Professor David J Williams	The University of Queensland, Golder Professor of Geomechanics	B. Eng. (Civil) (Hons I), PhD Soil Mechanics Professor David John Williams has 40 years experience and is widely sought for his expert input, in particular to mine waste disposal and mine site rehabilitation and remediation at operating mines throughout Australia and overseas. David has been involved in material characterisation testing and the



Name	Company and Title	Qualifications and Experience
Warwick Stewart	Environmental Geochemistry International Pty Ltd, Senior Consultant	design of numerous mine waste covers. B. Sc. (Hons), Grad Dip Env. Mgt., PhD Warwick is an Environmental Geologist with 23 years experience. He has specialised experience in the implementation of a detailed overburden management program involving the design and construction of covers for controlling sulphide oxidation and acid drainage. Warwick completed his PhD on ARD prediction for coal mine wastes in 2005.
Stuart Miller	Environmental Geochemistry International Pty Ltd, Managing Director	B. Agr. Sc, M. Sc, M. Phil, PhD Stuart has 35 years experience in mine waste geochemistry and management. Stuart began working in this area in the early 1970's and completed a PhD in 1978 on the geochemistry of pyritic coal mine spoil and the mechanisms involved in the acid generation process. Stuart worked in the public and private sectors before establishing EGi in 1983.
Andrew Martin	ASK Consulting Engineers Pty Ltd, Air Quality Manager & Senior Scientist	B. Sci., M. App. Sci. Andrew has more than 20 years of experience in the field.
Khashayar BAdii	ASK Consulting Engineers Pty Ltd, Senior Scientist	B. Sc. (Chem Eng), M. Sci. (Chem Eng), PhD Khashayar is a Senior Scientist with over 18 years relevant experience.
Aida Muratbegovic	ASK Consulting Engineers Pty Ltd, Project Scientist	B. Sc. (Physics), Grad Dip Sci. Aida is a Project scientist with 2 years of experience.
Aldo Strydom	Parsons Brinckerhoff Australia Pty Ltd,, Senior Transport Planner	National Diploma in Civil Engineering Aldo is an accomplished traffic/civil engineer with a background in drafting, design and project management. He has management experience both in the office and on site, in the private and public sectors in Australia, the United Kingdom, and South Africa. Aldo has participated in and managed numerous traffic related studies for mine sites throughout Queensland.
Richard Maxwell	Parsons Brinckerhoff Australia Pty Ltd, Senior Civil Engineer	Richard is an experienced senior civil engineer and a registered professional engineer of Queensland. Richard's role included review the documents and verification of the outputs of all of the analysis, including the pavement impact assessment.
Nathan Durnin	Parsons Brinckerhoff Australia Pty Ltd, Transport Planner	B. Urban & Regional Planning (Hons) Nathan has over eight years' experience in the field of transport planning and the assessment of development generated traffic impacts. He has undertaken numerous road impact assessments for the resource extraction industry and



Name	Company and Title	Qualifications and Experience
		has assisted in the assessment of road impact assessments for Local Councils.
Darrin White	Parsons Brinckerhoff Australia Pty Ltd, Senior Road Designer	Associate Diploma of Engineering (Civil) Darrin has over 22 years as a civil designer and project manager with significant experience in design and design management of multilane highways, interchanges and rural roads. Darrin has developed a number of TMPs, including for mining developments, and his design skills include road detailed design (MX and AutoCAD), traffic signals, stormwater drainage, and preparation of traffic control plans. Darrin is also a qualified and registered Level 3 Road Safety Auditor.

