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**APPENDIX 1.4 STUDY TEAM**

The qualifications and experience of the EIS Project team and EIS Study team and specialist sub-consultants are provided in *Table 1* and *Table 2* respectively.

**Table 1**

<b>Team Member</b>	<b>Position</b>	<b>Company</b>	<b>Qualifications and Experience</b>
David Ord	General Manager Environment QCLNG	QGC	BSc (Hons) Natural Environmental Science, PhD (Geology); 22 years
Rob Bell	Manager Environmental & Regulatory Affairs (LNG Plant)	QGC	Juris Doctor (Law); Legal Practicing Certificate (Vic); B Sc (Marine Biology); 22 years
Margaret Harris	Manager Environment & Permitting Upstream Projects	ELP	B.Sc; CEnvP; over 16 years
Randall Byram	Manager Strategic Infrastructure	QGC	BA (Hons); B Comm.(Hons); 15 years
Chris Jack	EIS Project Director	ERM	M. Env. Planning; Grad. Dip Env. Studies; B.Sc (Hons); over 25 years
Dee Elliott	Social Performance Consultant	Consultant	MA (Social Policy);BA (Psych & Stats); over 23 years
Glenn Boddington	EIS Project Manager	ERM	MBA; Grad Dip Mgt, B.Urb.Reg.Plan; 20 years
Don Stockton	Environmental Engineer / Project EIS Coordinator	ERM	B.Sc (Geology) / B.Eng (Geological); over 10 years
Pallavi Mandke	Social and Planning Consultant	ERM	PhD (Social Development and Planning), M.SC (Urban Env Mgmt); MA (Dev. Planning), BA (Geography); over 10 years
Frauke Munster	Environmental Consultant	ERM	M SC Env Change & Mgmt; B.Sc (Hons) / BSc (Env & Geog Sc); Registered Certified Scientist (PrSciNat); over 7 years
Katie Cafouros	Environmental Consultant	ERM	B.Sc (Env); over 6 years
Rosie Sutcliffe	Environmental Planner	ERM	B.Plan; over 5 years
Mandy Flowers	Social Consultant	ERM	B.Bus.Mgmt /BSc;1 year
Richard Oldham	EIS Project Coordinator for CSG Field Component	ELP	M Env Mgmt; B. Comm (Hons); 10 years
Rebekka Erichsen	Environmental Scientist	ELP	B.Env.Man (Sus.Dev.)

<b>Team Member</b>	<b>Position</b>	<b>Company</b>	<b>Qualifications and Experience</b>
Mark Davis	Senior Earth Scientist	ELP	PG Dip Sc.; B.Sc; 25 years
Dr Brett Kettle	Marine Technical Advisor	BABEL-sbf	PhD; BSc (Hons); 29 years
Wendy Mathieson	Environmental Consultant	Unidel	B.Eng; Assoc.Dip.Mech Eng; 25 years
Steve Fox	Associate Director	Unidel	Post GradCert; B.Sc; 13 years
Jelena Basta	GIS Specialist	ERM	Post Grad Arts (GIS); B.Sc (Forestry); over 8 years
Kevin Power	GIS Specialist	Definium	Assoc.Dip. Civil Eng; Advanced Dip. CAD; over 20 years
Cirina Di Pierro	GIS Specialist	Mipela	B Science; 10 years
Mark Todd	Lead Communications Advisor	QGC	B.Business; 16 years
Maria Kamau	EIS Documentation Officer	QGC	Document production and office administration; over 10 years
Caroline Cusack	EIS Documentation Officer	QGC	MA (European Integration); B.Comm; 4 years
Jessica Daniels	EIS Documentation Officer	QGC	Dip Project Mgmt; 3 years

**Table 2 Sub consultants**

<b>EIS Section No</b>	<b>Team member</b>	<b>Company</b>	<b>Qualification and Experience</b>
Volume 3, Chapter 2 Climate and Climate Change	Richard Oldham	ELP	M Env Mgmt; B Comm (Hons); 10 years
Volume 3, Chapter 3 Topography and Geomorphology	Kym Davie	Unidel	M Eng.Sc; B.AppSc;- 16 years
Volume 3, Chapter 4 Geology and Soils	Peter Shields	Land Resource Assessment & Management	B Sc; 35 years
	William Thompson	Land Resource Assessment & Management	BSc(Soils); 20 years
Volume 3, Chapter 5 Land Use and Infrastructure	Peter Shields	Land Resource Assessment & Management	B Sc; 35 years
	William Thompson	Land Resource Assessment & Management	BSc(Soils); 20 years
	Kym Davie	Unidel	M Eng.Sc; B.AppSc;- 16 years
Volume 3, Chapter 6 Land Contamination	Wendy Mathieson	Unidel	Assoc.Dip.Mech Eng B Eng; 25 years
Volume 3, Chapter 7 Terrestrial Ecology	Steve Fox	Unidel	PGradCert; BSc; 13 years
	Bruce Thompson	Unidel	Ph.D; MBA; BAppSc (NRM); 30 years
	Ann Moran	Unidel	BSc(Env); 20 Years
	Ruth Smith	Unidel	B. Env.Man (Sus.Dev) (Hon); 1 year
Volume 3, Chapter 8 Aquatic Ecology	Steve Fox	Unidel	PGradCert; BSc; 13 years
	Bruce Thompson	Unidel	Ph.D; MBA; B AppSc (NRM); 30 years
	Ruth Smith	Unidel	B. Env.Man (Sus.Dev) (Hon); 1 year
Volume 3, Chapter 9 Surface Water Resources	Ray Hatley	Golder Associates	B Sc (Hons); 30 years
Volume 3, Chapter 10 Groundwater	Ray Hatley	Golder Associates	B Sc (Hons); 30 years
Volume 3, Chapter 11 Associated Water Management	Margaret Harris	ELP	B.Sc; CEnvP; over 16 years
Volume 3, Chapter 12 Air Quality	Christine Killip	Katestone Environmental Pty Ltd	B.Technology (Atmospheric Science); 15 years
	Andrew Balch	Katestone Environmental	BSc(Atmospheric Science and

EIS Section No	Team member	Company	Qualification and Experience
		Pty Ltd	Geomorphology); 12 years
	Simon Welchman	Katestone Environmental Pty Ltd	B.Eng (Env.) (Hons); over 10 years
	Alex Schloss	Katestone Environmental Pty Ltd	B.App Sc/ B.IT (Software Eng.& Data Comm.); 3 years
Volume 3, Chapter 13 Noise and Vibration	David Moore	David Moore & Associates Pty Ltd	B App Sc (Biology), MAAS; 26 years
Volume 3, Chapter 14 Transport	B O'Keefe	Kellogg Brown & Root Pty Ltd	B.Eng (Civil); 36 years
Volume 3, Chapter 15 Visual Amenity	Allan Wyatt	ERM	Grad. Dip Landscape Design;over 30 years
	Sian Crawford	ERM	M B Env (Sus.Dev); BA (Hons); 20 years
Volume 3, Chapter 16 Waste Management	Wendy Mathieson	Unidel	Assoc.Dip.Mech Eng B Eng; 25 years
Volume 3, Chapter 17 Hazard and Risk	Shelley Anderson	Simmonds & Bristow Pty Ltd	Grad.Dip; BSc Env.Health & Pollution);.CEnvP
Volume 4, Chapter 2 Climate and Climate Change	Richard Oldham	ELP	M Env Mgmt; B Comm (Hons); 10 years
Volume 4, Chapter 3 Topography and Geomorphology	Kym Davie	Unidel	MEngSc; B.AppSc;- 16 years
Volume 4, Chapter 4 Geology and Soils	David Houghton	HEM	BSc; GDURP; CEnvP; 29 years
Volume 4, Chapter 6 Land Contamination	Wendy Mathieson	Unidel	Assoc.Dip.Mech Eng B Eng; 25 years
Volume 4, Chapter 7 Terrestrial Ecology	Steve Fox	Unidel	PGradCert; BSc; 13 years
	Bruce Thompson	Unidel	Ph.D; MBA; BAppSc (NRM); 30 years
	Ann Moran	Unidel	BSc(Env); 20 years
	Ruth Smith	Unidel	B. Env.Man (Sus.Dev) (Hon); 1 year
Volume 4, Chapter 8 Aquatic Ecology	Steve Fox	Unidel	PGradCert; BSc; 13 years
	Bruce Thompson	Unidel	Ph.D; MBA; BAppSc (NRM); 30 years
	Ruth Smith	Unidel	B. Env.Man (Sus.Dev) (Hon); 1 year
Volume 4, Chapter 9 Surface Water Resources	David Houghton	HEM	BSc; GDURP; CEnvP; 29 years
Volume 4, Chapter 10	David Houghton	HEM	BSc; GDURP; CEnvP; 29 years

EIS Section No	Team member	Company	Qualification and Experience
Groundwater	Rod Bain	HEM	B E (Hons); 10 years
Volume 4, Chapter 11 Air Quality	Christine Killip	Katestone Environmental Pty Ltd	B.Technology (Atmospheric Science); 25 years
	Andrew Balch	Katestone Environmental Pty Ltd	BSc(Atmospheric Science and Geomorphology); 12 years
	Simon Welchman	Katestone Environmental Pty Ltd	B.Eng (Env.) (Hons); over 10 years
	Alex Schloss	Katestone Environmental Pty Ltd	B.App Sc/ B.IT (Software Eng.& Data Comm.); 3 years
Volume 4, Chapter 12 Noise and Vibration	Mark Caslin	Heggies Pty Ltd	B.Sc (Aeronautica); over 8 years
Volume 4, Chapter 13 Transport	B O'Keefe	Kellogg Brown & Root Pty Ltd	B.Eng (Civil); 36 years
Volume 4, Chapter 14 Visual Amenity	Allan Wyatt	ERM	Grad. Dip Landscape Design; over 30 years
	Sian Crawford	ERM	M B Env (Sus.Dev); BA (Hons); 20 years
Volume 4, Chapter 15 Waste Management	Wendy Mathieson	Unidel	B Eng; Assoc.Dip.Mech Eng; 25 years
Volume 4, Chapter 16 Hazard and Risk	Shelley Anderson	Simmonds & Bristow Pty Ltd	BSc (Env.Health & Pollution); Grad.Dip; CEnvP
Volume 5, Chapter 2 Climate and Climate Change	Corrine Kennedy	QGC	BA (Nat. Sc.); M.Sc. (Env. Tech.); over 10 years
	Mandy Flowers	ERM	B.Bus.Mgmt /BSc; 1 year
Volume 5, Chapter 3 Topography and Geomorphology	Graham Ohmsen	ERM	MSc (Geology); BSc (Geology); over 20 years
Volume 5, Chapter 4 Geology and Soils	Graham Ohmsen	ERM	MSc (Geology); BSc (Geology); over 20 years
	Trevor Graham	GeoCoastal (Australia)	PhD (Coastal Geomorphology); 27 years
	Rundi Larsen	GeoCoastal (Australia)	PhD (Environmental Biochemistry); 19 years
Volume 5, Chapter 5 Land use and Infrastructure	Andrew Oliver	GHD	BA; Higher National Certificate (Civil Engineering); 28 years
	Glenn Boddington	ERM	MBA; Grad Dip Mgt, B.Urb.Reg.Plan; 20 years
Land Contamination	Graham Ohmsen	ERM	MSc (Geology); BSc

EIS Section No	Team member	Company	Qualification and Experience	
Terrestrial Ecology			(Geology); over 20 years	
		Rena Baker	ERM	BSc (Biodiversity & Conservation);
		Mark Branson	ERM	MSc (Hons); Post Grad Cert.; BSc; 5 years
		Rebecca Goodwin-Pettit	ERM	B Landscape Mgmt & Conservation; 4 years
	Bird Surveys	David Rohweder	Sandpiper Ecological Surveys	PhD (Waterbird ecology) BSc (Hons); Dip App Sc (Resource Mgmt); over 21 years
	Bird Surveys	David Charley	Wildsearch Environmental Services	BSc; 28 years
	Herpetological and Vegetation Surveys	Steve Fox	Unidel	PGradCert; BSc, 13 years
Fauna Surveys	Melissa Starling	Biosis Research Pty Ltd	BSc (Hons); 5 years	
Bat Call Analysis	Glenn Hoye	Fly by Night Ecological Consultants	B Sc (Hons); B Eng. (Mining); over 25 years	
Volume 5, Chapter 8 Marine Ecology		Damien Trinder	ERM	B. Sc (Hons); over 10 years
		Justin Chidlow	ERM	MSc(Marine Biology); Grad Dip. Sc (Tropical Marine Biology & Fisheries Ecology); BSc; 12 years
		Dr Robin Kennish	ERM	BSc (Hons) Marine Biology; PhD Marine Biology; over 15 years
Volume 5, Chapter 9 Surface Water Resources		Annabel Davies	ERM	B Resource Studies; 15 years
		Glenn Boddington	ERM	MBA; Grad Dip Mgt, B.Urb.Reg.Plan, 20 years
Volume 5, Chapter 10 Groundwater Resources		Annabel Davies	ERM	B Resource Studies; 15 years
		Glenn Boddington	ERM	MBA; Grad Dip Mgt, B.Urb.Reg.Plan, 20 years
Volume 5, Chapter 11 Coastal Processes	Anthony McAlister	BMT WBM	M.Eng.Sc;B.Eng.(1st Class Hons); over 25 years	
Volume 5, Chapter 12 Air Quality		Christine Killip	Katestone Environmental Pty Ltd	B.Technology (Atmospheric Science); 25 years
		Andrew Balch	Katestone Environmental	BSc(Atmospheric Science and

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		Pty Ltd	Geomorphology); 12 years
	Simon Welchman	Katestone Environmental Pty Ltd	B.Eng (Env.) (Hons); over 10 years
	Alex Schloss	Katestone Environmental Pty Ltd	B.App Sc/ B.IT (Software Eng.& Data Comm.); 3 years
Volume 5, Chapter 13 Noise and Vibration	David Borgeaud	ERM	B.Eng(Mechanical); 15 years
	Bernard Walsh	ERM	B.Eng.(Mechanical), M.Eng.Sc.(Mechanical), more than 12 years
Volume 5, Chapter 14 Road, Rail, Air & Public Transport	John (Mac) Hulbert	Halcrow MWT	Ass. Dip. Civil Engineering; B. Sc (Civil Eng); 17 years
	Glenn Boddington	ERM	MBA; Grad Dip Mgt, B.Urb.Reg.Plan; 20 years
	Patrizia Susanto	Halcrow MWT	B Civil Eng; 5 years
	Bruce Masson	Halcrow MWT	MEngSc;BSc Eng;over 30 years
	Brian McKay	Halcrow MWT	Grad Dip Town Plng BA (Hons); 20 years
	Martin Jordan-Williams	AusTraffic	B.Technology (Civil Eng.); 22 years
	Andrew Oliver	GHD	Higher National Certificate (Civil Engineering); BA; 28 years
Volume 5, Chapter 15 Shipping Transport	Don Stockton	ERM	BSc (Geology)/ BEng (Geological); 10 years
	Captain Mark McNiel	BG-Group	Merchant Marine, 25 years, 20 of which on LNG ships
Volume 5, Chapter 16 Visual Amenity	Allan Wyatt	ERM	Grad. Dip Landscape Design;over 30 years
	Sian Crawford	ERM	M BIt Env (Sus.Dev BA (Hons); 20 years
	Peter Austin	ERM	B.App.Sci GDLA RLA (Aus and HK) HKILA AAILA MLI, over 25 years
Volume 6 Dredging	Dr Brett Kettle	BABEL -sbf	PhD; BSc (Hons);29 years
	Rob Bell	QGC	Juris Doctor(Law); BSc (Marine Biology); Legal Practicing Certificate (Vic); 22 years
Volume 7:	Travis Hughes	ERM	BSc (Hons);B App

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Greenhouse Gas Management			Sc; over 15 years
Volume 8: Social Infrastructure Assessment	Dee Elliot	Consultant	MA (Social Policy);BA (Psych & Stats); over 23 years
	Andrea Young	Andrea Young Planning Consultants	Diploma (Planning); Grad Dip Recreational Studies)
	Dr Pallavi Mandke	ERM	PhD (Social Development & Planning), MSc (Urban Env Mgmt); MA (Dev. Planning); BA (Geography);over 10 years
Non-Indigenous Cultural Heritage Assessment	Tina King	ERM	BA (Hons) Historical Archaeology; 5 years
Economic Impact Assessment	Simon Smith	AEC Group	MA Business Admin; B Econ (Hons Class 1); BSc (Comp Sc); over 15 years
	Ashley Page	AEC Group	B.Ag. Econ (Hons); 10 years
	Kieron Lacey	AEC Group	MA Business Econ; B.Sc (Biochemistry); 7 years
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Volume 12 Consultation	Nicole Turner	GHD	BA (Public Relations); 7 years
	Tracy Lenz	QGC	B.Ed Grad Dip. Busines, 7 years
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Volume 13 EPBC Report	Glenn Boddington	ERM	MBA; Grad Dip Mgt, B.Urb.Reg.Plan; 20 years
	Frauke Munster	ERM	M SC Env Change & Mgmt, B.Sc (Hons) / BSc (Env & Geog Sc); Registered Certified Scientist (PrSciNat); over 7 years
	Rosie Sutcliffe	ERM	B.Planning; over 5 years
	Steve Fox	Unidel	PGradCert; BSc, 13 years
	Ruth Smith	Unidel	B. Env.Man (Sus.Dev) (Hon); 1 year