TOTAL
TOTAL E&P PNG LIMITED

PAPUA LNG PROJECT

UPSTREAM ENVIRONMENTAL IMPACT STATEMENT

VOLUME 1: MAIN REPORT

Chapter 22: Study Team

TOTAL E&P PNG LIMITED

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Table of Contents

Chapter

22. Study Team 22–1

22.1 Total E&P PNG Limited 22–1

22.2 Lead Consultant Team 22–1

22.3 Technical Specialists and Field Support 22–2

Tables

Table 22.1 – TEP PNG Environmental Impact Statement Team 22–1

Table 22.2 – ERIAS Group Environmental Impact Statement Team 22–2

Table 22.3 – Environmental Specialist Team 22–3

Table 22.4 – Amenity Specialist Team 22–4

Table 22.5 – Social and Cultural Specialist Team 22–4

22. Study Team

A large multi-disciplinary team, with representatives from the proponent (Total E&P PNG Limited (TEP PNG)), lead environmental and social consultant (ERIAS Group Pty Ltd (ERIAS Group)), technical specialists and field support teams produced the Environmental Impact Statement (EIS) for the Papua LNG Project (the Project). Key team members from TEP PNG, ERIAS Group and specialists who contributed during EIS preparation are acknowledged in this chapter.

22.1 Total E&P PNG Limited

The TEP PNG management team and advisors that led and oversaw the EIS program of work, including participation in the environmental and social baseline studies (ESBS), are listed in Table 22.1.

Table 22.1 – TEP PNG Environmental Impact Statement Team

Name	Title/Role
Jeremy Roeygens	Permitting, Environmental, Social and National Content Director
Magali Pollard	Societal Manager
Bruno de Vals/ Christelle Jennet	Environmental Manager
Andy Hetra	Permitting and Environmental Coordinator
Kritoe Keleba	Societal Studies Coordinator
Hosea James	Community Relations Coordinator
Muse Opiang	Biodiversity Coordinator
Joyce Melepia	Community Investment Coordinator
Mericha Masta	GIS Specialist
Emmanuel Akike	GIS Officer
Armand Leblois	Community Affairs Coordinator
David Albert/Fabien Segura	Health, Safety and Environment Manager
Olivier Cudennec	Logistics Manager
Catherine Edet	Project Health, Safety, Environment and Quality Lead
Jason Frederick/Rachel Keown	Project Environment Advisor
Delphine Fauque/ Olivier Michel/Patrice Chevalier	Project Social Advisor
Dr Robert Jessop	EIS Advisor
Anthony Salvador	Land Access Advisor

22.2 Lead Consultant Team

ERIAS Group was commissioned as the lead environmental and social consultant to deliver the EIS for the Project. ERIAS Group provides specialist services in life-of-project environmental and social baseline, impact assessment and management. ERIAS Group's team of consultants have in-depth knowledge of extractive industries and infrastructure developments, particularly in Papua New Guinea.

The EIS team comprises environmental and social impact assessment lead practitioners and consultants, and specialists who executed technical investigations to support the baseline studies. Table 22.2 identifies key personnel who contributed to the preparation of the EIS.

Table 22.2 – ERIAS Group Environmental Impact Statement Team

Name	Project Title/Role
Management Team and Discipline Leads	
Carmel Coyne	Project Director* Senior Technical Advisor#
Luci David	Project Director# Project Manager – EIS Project Manager – Amenity
Andrew Pym	Project Manager – Terrestrial Biodiversity ESBS Field Logistics Manager
Clark Monahan	Project Manager – Freshwater and Marine Project Manager – Geology, Terrain, Soils and Groundwater
Andrea Lucas/Danielle Martin/Angela Reeman	Project Manager – Social and Cultural Heritage
Michael Jones	Health, Safety, Security and Environment Manager
Technical Support	
Brett Perry/Kobus Meulenbroeks	Papua New Guinea In-country Manager, ESBS execution
Inneke Nathan/Erica Odell	Terrestrial biodiversity support
Kate Munro/Joanna Cundy/Melanie Brown	Social and ecosystem services support
Michelle Clark	Amenity support
Scott Breschkin/Harry Hughes	Marine and freshwater support
James Tanner/Mitchell Goodin/Kate Sinai /Geordie Brock/Michael Wright/Julia Barnes/Liz Jacobsen	General support
Grant Dickins/Mipela Geosolutions	Geographic information systems services
Cambrium Group/Gareth Lewis Design	Drafting services
Contract Support	
David Browne	Contract Manager
Casey Mortlock	Contract management support

Note: Discipline leads and technical support staff contributed to the production of the EIS through authorship, drafting, editing and reviewing. * Until 7 June 2019. # From 7 June 2019.

22.3 Technical Specialists and Field Support

Technical specialists engaged by ERIAS Group to undertake baseline and modeling studies (Volumes 2 and 3), and to support the impact assessments are provided in Tables 22.3, 22.4 and 22.5. In particular, the baseline studies included PNG specialist consultants with technical expertise particularly in the fields of terrestrial biodiversity, resource use, and cultural heritage. The names of the PNG consultants and technical specialists are indicated by an asterisk (*).

Table 22.3 – Environmental Specialist Team

Name	Specialty	Role	Organization
Nicholas Bukowski	Engineering	Engineering interface support (Paris)	SLR Consulting Australia Pty Ltd
Nathan Redfern/ Sandy Lonergan	Health, safety and environment (HSE) specialist	HSE procedures and reporting	SLR Consulting Australia Pty Ltd
Mark Caslin	Geology, terrain and soils	Land and amenity supervisor	SLR Consulting Australia Pty Ltd
Rod Masters/ Clayton Richards/ Chris Armit/Murray Fraser/Cameron Traill	Geology, terrain and soils	Technical specialist	SLR Consulting Australia Pty Ltd
Derwin Lyons/John Leyland	Groundwater	Technical specialist	SLR Consulting Australia Pty Ltd
Dr Darren Richardson/Jeremy Visser/Lyn Leger	Freshwater and marine studies	Freshwater and marine studies lead	BMT Eastern Australia Pty Ltd
Ben Caddis/ Eoghain O'Hanlon	Hydrology, meteorology and sediment processes	Technical specialist	BMT Eastern Australia Pty Ltd
Brad Grant	Freshwater, estuarine and marine water and sediment quality	Technical specialist	BMT Eastern Australia Pty Ltd
Dr Conor Jones /Brad Hiles/Daniel Moran	Freshwater, estuarine and marine biodiversity	Technical specialist	BMT Eastern Australia Pty Ltd
Dr Ian Teakle/Dr Paul Guard/Daniel Machado	Seabed and coastal geomorphology, physical oceanography	Technical specialist	BMT Eastern Australia Pty Ltd
Dr David Balloch	Aquatic biodiversity, underwater noise, river traffic and transport	Technical specialist	EnviroGulf Consulting
Dr Adrian Flynn	Marine fisheries	Technical specialist	Fathom Pacific
Ninkama Yoba*	Aquatic ecology	Technical specialist	Ninkama Yoba and Associates
Dr Iain Woxvold	Avifauna, terrestrial biodiversity	Terrestrial biodiversity lead, technical specialist	Iain Woxvold Consulting Pty Ltd
Dr Ken Aplin	Mammals (volant and non-volant)	Technical specialist	Ken Aplin Fauna Studies Pty Ltd
Dr Kyle Armstrong	Mammals (volant)	Technical specialist	Specialist Zoological
Stephen Richards	Herpetofauna and odonates	Technical specialist	--
Fanie Venter	Vegetation/flora	Technical specialist	Fanie Venter Botanical and Environmental Consultant Pty Ltd
Dr Howard Rogers	Deforestation and vegetation regeneration	Technical specialist	Booyong Forest Science PNG Pty Ltd

Table 22.3 – Environmental Specialist Team (cont'd)

Name	Specialty	Role	Organization
Technical Field Specialists			
Junior Novera*	Non-volant mammals/bats	Discipline scientist	Papua New Guinea Institute of Biological Research
Peter Amick*	Bats	Discipline scientist	The New Guinea Binatang Research Center
Chris Dahl*/Elizah Nagombi*/Pagi Toko*	Herpetology/odonates	Discipline scientist	The New Guinea Binatang Research Center
Fufuse Bewang*/ Benjamin Kelimbua*	Vegetation, weeds and forestry/resource use	Discipline scientist	Booyong Forest Science PNG Pty Ltd
Amos Ona*	Ecosystem services/vegetation, weeds and forestry	Discipline scientist	Booyong Forest Science PNG Pty Ltd
Harry Hughes/ Kobus Meulenbroeks/ Scott Breschkin	Marine studies	Marine scientist	ERIAS Group Pty Ltd

Table 22.4 – Amenity Specialist Team

Name	Specialty	Role	Company
Kirsten Lawrence/ Fardausur Rahaman	Air quality	Technical specialist	SLR Consulting Australia Pty Ltd
Gustaf Reutersward/ Ima Fricker/David Woodcock	Noise	Technical specialist	SLR Consulting Australia Pty Ltd
Peter McGown/ Nathan Thompson/ Kris Oettinger	Visual	Technical specialist	SLR Consulting Australia Pty Ltd
Danielle O'Toole/ Lono Tyson	Waste	Technical specialist	SLR Consulting Australia Pty Ltd

Table 22.5 – Social and Cultural Specialist Team

Name	Specialty	Role	Company
Mike Finlayson	Socio-economics	Technical specialist	SIA & Development
Lisa Richie	Community health	Technical specialist	Engaging Development
Marci Balge/Gary Krieger	Community health	Technical specialist	Newfields Environment and Engineering, LLC
Dr Sue Phuanukoonnon	Community health	Technical specialist	--
Danielle Martin	Socio-economics	Technical specialist	DMConsulting
Dr Nick Bainton	Human Rights and In-migration	Technical specialist	Centre for Social Responsibility in Mining (The University of Queensland)

Table 22.5 – Social and Cultural Specialist Team (cont'd)

Name	Specialty	Role	Company
Dr Howard Rogers	Land and natural resource use, ecosystem services	Technical specialist	Booyong Forest Science PNG Pty Ltd
Dr Ken Aplin	Land and natural resource use, ecosystem services	Technical specialist	Ken Aplin Fauna Studies Pty Ltd
Junior Novera*	Land and natural resource use, ecosystem services	Discipline scientist	Papua New Guinea Institute of Biological Research
Dr Robert Skelly	Anthropology and cultural heritage	Technical specialist	In collaboration with the Social Research Institute
David Kombako*	Anthropology and cultural heritage	Technical specialist	--
John Sepe*	Anthropology and cultural heritage	Technical specialist	Social Research Institute
Dr Chris Ballard	Cultural heritage	Technical specialist	Australian National University (ANU) Enterprises
Dr John Muke*	Cultural heritage	Technical specialist	--
Robert Barclay	Social and ESHIA advisory	Technical specialist	--
Field Support Team			
Yvonne Hani*	Social studies	Team lead	The University of Papua New Guinea
Sally Jerome*	Social studies	Team lead	--
Claire Gangai*/ Charles Wakinau*/ Auvita Kilori*/Joyleen Noki*/Gerard Gowae*/Alex Nava*/ Levana Vanua*/Elai Soutai*	Social studies	Enumerator	The University of Papua New Guinea