



STUDY TEAM

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Appendix C Study Team

Appendix C Study Team

Presented in Table C-1 and Table C-2 below are the respective project and study teams from Arrow Energy Pty Ltd (proponent), URS Australia and specialist consultants that contributed to the collaboration, review and preparation of the Bowen Gas Project Environment Impact Statement (EIS).

Table C-1 Project Management Team

Team Member	Position	Qualifications and Experience
Paul Neilson (Arrow)	EIS Manager	Bachelor of Science (Geo Science), Graduate Diploma in Education, 15 years'
Gerard Coggan (Arrow)	Upstream EIS Manager	Bachelor of Engineering (Civil and Environmental), Master of Engineering Management, Diploma of Project Management, 15 years'
Fergal Convery (Arrow)	Project Manager Bowen Gas Project EIS	Bachelor of Engineering (Civil and Environment Management), Master of Science (Environmental Science), Diploma of Project Management, 14 years'
Anthony Rutter (Arrow)	Upstream Environment Specialist	Bachelor of Applied Science (Environmental Management), Master of Environmental Studies, 10 years'
Mathew Cosgrove (Arrow)	EIS Coordinator	Bachelor of Environmental Science, Post Graduate Certificate in Environmental Management, Diploma in Project Management, 9 years'
Chris Pigott (URS)	Project Director	Bachelor of Engineering, Master of Urban Studies, 40 years'
Dan Simmons (URS)	Project Manager	Bachelor of Applied Science (Environmental Resource Management), 15 years'
Brian Connellan (URS)	Assistant Project Manager	Bachelor of Science (Geography) (Hons), Bachelor of Science (Environmental and Geography), 6 years'
David Goff (URS)	Health and Safety Manager	Master of Health Science (Risk Management); Graduate Diploma Occupational Health and Safety, 10 years'
David Curwen (URS)	Technical Review	Bachelor of Science (Environmental Studies) (Hons), Master of Environment, Health and Safety, 15 years'
Amber Cripps (URS)	Project Review	Bachelor of Environmental Management (Hons), 3 years'
Charlene Hounsom (URS)	Schedule and Cost Control	Diploma in Advanced Project Management, 8 years'

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Team Member	Position	Qualifications and Experience
Kieran O'Connor (URS)	Document Control	Bachelor of Chemical and Environmental Science (Hons), 4 years'

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Table C-2 Study Team

Section / Appendix Number	Section / Appendix Name	Study Lead and Organisation	Qualifications and Years of Experience
EIS Sections			
0	Executive Summary	Robert Storrs (URS)	Bachelor of Environmental Science (Land Resources) (Hons), 15 years'
1	Introduction	Brian Connellan (URS)	Bachelor of Science (Geography) (Hons), Bachelor of Science (Environmental Science and Geography), 6 years'
2	Project Approvals	Damian Delmanowicz (URS)	Bachelor of Built Environment (Urban and Regional Planning), Graduate Diploma in Urban and Regional Planning, 11 years'
3	Project Need	Brian Connellan (URS)	Bachelor of Science (Geography) (Hons), Bachelor of Science (Environmental Science and Geography), 6 years'
4	Project Description	Dan Simmons (URS)	Bachelor of Applied Science (Environmental Resource Management), 15 years'
5	Community Consultation	Natalie Gardner (URS)	Bachelor of Arts, Graduate Certificate in Community Relations (Resources Sector), 4 years'
6	Impact Assessment Method	Amber Cripps (URS)	Bachelor of Environmental Management (Hons), 3 years'
7	Environmental Framework	Samuel Leicester (URS)	Bachelor of Science (Ecology), Master of Project Management (Leadership), 5 years'
8	Climate	Dina Makarynska (URS)	Master in Physical Oceanography, PhD in Geophysics, 20 years'
9	Air Quality	Dina Makarynska (URS)	Master in Physical Oceanography, PhD in Geophysics, 20 years'
10	Greenhouse Gas Emissions	Dina Makarynska (URS)	Master in Physical Oceanography, PhD in Geophysics, 20 years'
11	Contaminated Land	Janelle Kuter (URS)	Bachelor of Applied Science (Geophysics) (Hons), 8 years'
12	Soils	Clayton Richards (GSS Environmental)	Bachelor of Natural Resources, Graduate Diploma in Education, 12 years'

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13	Geology	Mark Stewart (URS)	Bachelor of Science (Geology), 15 years'
14	Groundwater	Mark Stewart (URS)	Bachelor of Science (Geology), 15 years'
15	Surface Water	Julian Long (URS)	Bachelor of Science, Master of Science (Coastal Research Management), 20 years'
16	Aquatic Ecology	Leanne James (URS)	Bachelor of Science (Marine and Freshwater Biology) (Hons), Master of Science (Marine Biology), 4 years'
17	Terrestrial Ecology	Chris Todd (URS)	Bachelor of Science (Botany), 10 years'
18	Environmentally Sensitive Areas	Chris Todd (URS)	Bachelor of Science (Botany), 10 years'
19	Landuse and Tenure	Allan Reid (URS)	Bachelor of Regional and Town Planning, Graduate Diploma in Environmental Science, 28 years'
20	Landscape and Visual Amenity	Andy Homewood (GreenBean Design)	Bachelor of Science (Landscape Architecture & Archaeology) (Dual Hons), Graduate Diploma Landscape Management, 20 years'
21	Roads and Transport	Andrew Brown (URS)	Bachelor of Engineering (Civil and Transportation Engineering), Master in Science (Transportation Engineering), 15 years'
22	Noise and Vibration	Dr Stephen Chiles (URS)	Bachelor of Engineering, PhD in Acoustics, CEng(UK), CPEng (NZ) and FIOA, 17 years'
23	Economics	Ashley Page (AEC Group)	Bachelor of Agricultural Economics (Hons), 13 years'
24	Social	Chris Sunderland (URS)	Bachelor of Arts (Sociology), 8 years'
25	Indigenous Cultural Heritage	Luke Godwin (CQCHM)	Bachelor of Arts (Hons), PhD (Archaeology and History), 20 years'
26	Non-Indigenous Cultural Heritage	Elizabeth Hatte (Northern Archaeology Consultancies)	Diploma in Cultural Heritage Management; Masters Preliminary (Archaeology), PhD, 45 years'
27	Preliminary Hazard and Risk	Giles Peach (Sherpa Consulting)	Bachelor of Engineering (Mechanical Engineering) (Hons), 22 years'

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28	Waste Management	Chani Lokuge (URS)	Bachelor of Engineering (Civil), Master of Business Administration (Executive), Master of Engineering Science (Waste Management), 16 years'
29	Decommissioning and Rehabilitation	Dean Fletcher (GSS Environmental)	Bachelor of Science (Environmental Analytical Chemistry), Diploma of Management, 18 years'
30	Health and Safety	Amber Cripps (URS)	Bachelor of Environmental Management (Hons), 3 years'
31	Cumulative Impacts	David Curwen (URS)	Bachelor of Science (Environmental Studies) (Hons), Mater of Science (Environment, Health and Safety), 15 years'
32	Environmental Management Plan (Summary)	Amber Cripps (URS)	Bachelor of Environmental Management (Hons), 3 years'
33	References	Amber Cripps (URS)	Bachelor of Environmental Management (Hons), 3 years'
34	Glossary and Abbreviations	Amber Cripps (URS)	Bachelor of Environmental Management (Hons), 3 years'
EIS Appendices			
A	Final Terms of Reference	N/A	N/A
B	Cross Reference with Final Terms of Reference	Natalie Gardner (URS)	Bachelor of Arts, Graduate Certificate in Community Relations (Resources Sector), 4 years'
C	Study Team	Brian Connellan (URS)	Bachelor of Science (Geography) (Hons), Bachelor of Science (Environmental Science and Geography), 6 years'
D	EIS Commitments Summary	Brendan Cowie (URS)	Bachelor of Environmental Science, 10 years'
E	Arrow HSE Policy	N/A	N/A
F	Consultation Report	Jan Taylor (JTA)	Bachelor of Arts (Economics & Government), LLB, 20 years
G	Ecologically Sustainable Development	Brian Connellan (URS)	Bachelor of Science (Geography) (Hons), Bachelor of Science (Environmental Science and Geography), 6 years'

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H	Air Quality Technical Report	Dina Makarynska (URS)	Master in Physical Oceanography, PhD in Geophysics, 20 years'
I	Greenhouse Gas Technical Report	Dina Makarynska (URS)	Master in Physical Oceanography, PhD in Geophysics, 20 years'
J	Contaminated Land Technical Report	Julian Long (URS)	Bachelor of Science, Master of Science (Coastal Research Management), 20 years
K	Soils Technical Report	Clayton Richards (GSS Environmental)	Bachelor of Natural Resources, Graduate Diploma in Education, 12 years'
L	Groundwater and Geology Technical Report	Daymion Jenkins (URS)	Bachelor of Science (Geology) (Hons), Master of Science (Environmental and Engineering Geology), 20 years'
M	Groundwater Model Technical Report	Konrad Quast (Ausenco Norwest)	Bachelor of Science (Hydrology and Water Resources), PhD in Philosophy in Hydrology and Water Resources with an Analytical Chemistry Minor, 15 years
N	Surface Water Technical Report	Julian Long (URS)	Bachelor of Science, Master of Science (Coastal Research Management), 20 years
O	Aquatic Ecology Technical Report	Dr Timothy Howell (Ecosure)	Bachelor of Science (Aquatic Science) (Hons), PhD (Research) Aquatic Science, 10 years'
P	Terrestrial Ecology Technical Report	David Stanton (3D Environmental)	Bachelor of Science (Geology) (Hons1), Project Manager / Principal Landscape Ecologist, 18 years'
Q	Landuse and Tenure Technical Report	Damian Delmanowicz (URS)	Bachelor of Built Environment (Urban and Regional Planning), Graduate Diploma in Urban and Regional Planning, 11 years'
R	Road and Transport Technical Report	Andrew Brown (URS)	Bachelor of Engineering (Civil and Transportation Engineering), Master of Science (Transportation Engineering), 15 years'
S	Noise and Vibration Technical Report	Dr Stephen Chiles (URS)	Bachelor of Engineering, PhD in Acoustics, CEng(UK), CPEng(NZ) and FIOA, 17 years'

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T	Economic Technical Report	Ashley Page (AEC Group)	Bachelor of Agricultural Economics (Hons), 13 years'
U	Social Technical Report	Chris Sunderland (URS)	Bachelor of Arts (Sociology), 8 years'
V	Social Impact Management Plan	Chris Sunderland (URS)	Bachelor of Arts (Sociology), 8 years'
W	Indigenous Cultural Heritage Technical Report	Luke Godwin (CQCHM)	Bachelor of Arts (Hons), PhD (Archaeology and History), 20 years'
X	Non-Indigenous Cultural Heritage Technical Report	Elizabeth Hatte (Northern Archaeology Consultancies)	Diploma in Cultural Heritage Management; Masters Preliminary (Archaeology), PhD, 45 years'
Y	Preliminary Hazard and Risk Technical Report	Giles Peach (Sherpa Consulting)	Bachelor of Engineering (Mechanical Engineering) (Hons), 22 years'
Z	Environmental Management Plan	Brendan Cowie (URS)	Bachelor of Environmental Science, 10 years'
AA	Coal Seam Gas Water and Salt Management Strategy	Carolyn Collins (Arrow)	Bachelor of Science, 18 years
BB	Constraints Mapping	Samuel Leicester (URS)	Bachelor of Science (Ecology), Master of Project Management (Leadership), 5 years'
CC	Matters of National Environmental Significance	Chris Todd (URS)	Bachelor of Science (Botany), 10 years'
DD	Offset Strategy	Helen Wood (Arrow)	Bachelor of Landscape Architecture, Graduate Diploma Resource Environmental Management, Masters of Science (Tropical Ecology), 20 years'
EE	Stygofauna Assessment	Christina Bodiam (4T Consultants)	Bachelor of Science (Biological Sciences), Graduate Certificate in Environmental Management, 10 years'