

## Appendix 2-B

### Study Team







Section Number	Section Name	Study Component	Team Member Name and Company	Qualifications and experience
<b>All</b>	<b>General</b>	All (Review and Quality Assurance)	<ul style="list-style-type: none"> <li>• Alan Irving, Rio Tinto Technology &amp; Innovation (T&amp;I)</li> <li>• Fiona Talbot, T&amp;I</li> <li>• Alexandra Mayes, T&amp;I</li> <li>• Steven Miller, T&amp;I</li> <li>• Professor David Parry, T&amp;I</li> <li>• Dr Bruce Foster, T&amp;I</li> <li>• Anthony Russo, RTA</li> <li>• Ryan Duysen, RTA</li> <li>• Damon Newling, RTA</li> <li>• Chris Pigott, URS</li> <li>• Mike Bricks, URS</li> <li>• Alison Lane, URS</li> <li>• Kate Every, URS</li> </ul>	<ul style="list-style-type: none"> <li>• B.For.Sc., M.Ag.Sc, 27 yrs</li> <li>• B.Sc. (Res Env Mgt), Grad Cert Sc. Comm, 15 yrs</li> <li>• B.AppSc. (Env Res Mgt), 13 yrs</li> <li>• B.Eng. (Env.), 7 yrs</li> <li>• B.App.Sc. (Chem/Biol), Dip Ed, PhD (Chemistry), 32 yrs</li> <li>• B.Sc. (Forestry) (Hons), PhD (Forest Ecology), Grad Dip (IT), 33 yrs</li> <li>• B.Eng. (Env) Hons, 16 yrs</li> <li>• B.S Mol.Bio., ME Env Eng, 15 yrs</li> <li>• B.Sc. (Hons), PhD, 12 yrs</li> <li>• B.E., MUS, 33 yrs</li> <li>• B.A. (Urban and Regional Planning), 22 yrs</li> <li>• B.AppSc. (Hons), PhD, 13 yrs</li> <li>• B.Sc., MEnvMan, 3 yrs</li> </ul>
<b>1, 2, 3, 20</b>	<b>Executive Summary, General Information and Background, Description of the Proposed Action, Conclusions</b>		<ul style="list-style-type: none"> <li>• Alan Irving, T&amp;I</li> <li>• Fiona Talbot, T&amp;I</li> <li>• Alexandra Mayes, T&amp;I</li> <li>• Steven Miller, T&amp;I</li> <li>• Chris Pigott, URS</li> <li>• Mike Bricks, URS</li> <li>• Alison Lane, URS</li> <li>• Kate Every, URS</li> </ul>	<ul style="list-style-type: none"> <li>• B.For.Sc., M.Ag.Sc, 27 yrs</li> <li>• B.Sc. (Res Env Mgt), Grad Cert Sc. Comm, 15 yrs</li> <li>• B.AppSc. (Env Res Mgt), 13 yrs</li> <li>• B.Eng. (Env.), 7 yrs</li> <li>• B.E., MUS, 33 yrs</li> <li>• B.A. (Urban and Regional Planning), 22 yrs</li> <li>• B.AppSc. (Hons), PhD, 13 yrs</li> <li>• B.Sc., MEnvMan, 3 yrs</li> </ul>

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4	Relevant Matters of NES		<ul style="list-style-type: none"> <li>• Alan Irving, T&amp;I</li> <li>• Fiona Talbot, T&amp;I</li> <li>• Alexandra Mayes, T&amp;I</li> <li>• Chris Pigott, URS</li> <li>• Alison Lane, URS</li> <li>• Lachlan McLeay, URS</li> <li>• Kate Every, URS</li> <li>• Oleg Makarynskyy, URS</li> </ul>	<ul style="list-style-type: none"> <li>• B.For.Sc., M.Ag.Sc, 27 yrs</li> <li>• B.Sc. (Res Env Mgt), Grad Cert Sc. Comm, 15 yrs</li> <li>• B.AppSc. (Env Res Mgt), 13 yrs</li> <li>• B.E., MUS. 33 yrs</li> <li>• B.AppSc. (Hons), PhD, 13 yrs</li> <li>• B.Sc. (Hons), PhD, 20 yrs</li> <li>• B.Sc., MEnvMan, 3 yrs</li> <li>• M.Eng., PhD (Physical Oceanography), 20 yrs</li> </ul>
5, 6	Terrestrial Flora and Fauna	Terrestrial Flora and Fauna	<ul style="list-style-type: none"> <li>• Steven Miller, T&amp;I</li> <li>• Dr Bruce Foster, T&amp;I</li> <li>• Morgan Thomas, Ecotone Environmental Services</li> <li>• Jason Searle, Ecotone Environmental Services</li> <li>• Garry Thomas, Ecotone Environmental Services</li> <li>• Angus McLeod, URS</li> <li>• David Gatfield, URS</li> <li>• Mike Bricks, URS</li> </ul>	<ul style="list-style-type: none"> <li>• B.Eng. (Env.), 7 yrs</li> <li>• B.Sc. (Forestry) (Hons), PhD (Forest Ecology), Grad Dip (IT), 33 yrs</li> <li>• B.Nat.Res, 22 yrs</li> <li>• M. Urban &amp; Regional Planning, B.Sc. (Biological Science) (Hons), 20 yrs</li> <li>• B.Sc., Bushland Regeneration Management &amp; Supervision Certificate, 18 yrs</li> <li>• B.AppSc. (Hons), 17 yrs</li> <li>• B.Sc., 3yrs</li> <li>• B.A. (Urban and Regional Planning), 22 yrs</li> </ul>
		Flora Survey and Assessment	• Bryan Robinson, Queensland Fauna Consultancy	• 15 yrs as a fauna specialist and wildlife management specialist
		Fauna Survey and Assessment	• Stephanie Goebel, Queensland Fauna Consultancy	• B.AppSc. (Wildlife Biology)(Hons), 4 yrs
		Bat Surveys	<ul style="list-style-type: none"> <li>• Glen Hoyer, Fly by Night Bat Surveys</li> <li>• Dr Kyle Armstrong, Specialised Zoological</li> </ul>	<ul style="list-style-type: none"> <li>• B.Sc. (Hons), 35 years</li> <li>• B.Sc. (Hons), PhD 15 yrs</li> </ul>

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7, 9	<b>Estuarine and Marine Fauna, Non-Avian Migratory Species</b>	All	<ul style="list-style-type: none"> <li>Chris Ryan, Worley Parsons</li> </ul>	<ul style="list-style-type: none"> <li>B.Sc., MNatResEcon, 17 yrs</li> </ul>
		Sediment Characterisation	<ul style="list-style-type: none"> <li>John Kennedy, Worley Parsons</li> <li>Vivian Seto, Worley Parsons</li> <li>Professor David Parry, T&amp;I</li> </ul>	<ul style="list-style-type: none"> <li>M.Sc., 21 yrs</li> <li>B.Sc., 7 yrs</li> <li>B.AppSc. (Chem/Biol), Dip Ed, PhD (Chemistry), 32 yrs</li> </ul>
		Marine Flora and Fauna	<ul style="list-style-type: none"> <li>Dr Daryl McPhee, Bond University</li> <li>Alison Lane, URS</li> <li>Leanne James, URS</li> <li>Lachlan McLeay, URS</li> <li>Steven Miller, T&amp;I</li> <li>Ross Smith, Hydrobiology</li> <li>Jim Tait, Hydobiology/Econcern</li> </ul>	<ul style="list-style-type: none"> <li>PhD, 19 yrs</li> <li>B.AppSc. (Hons), PhD, 13 yrs</li> <li>B.Sc. (Hons), MSc, 5 yrs</li> <li>B.Sc. (Hons), PhD, 20 yrs</li> <li>B.Eng. (Env.), 7 yrs</li> <li>B.Sc. (Hons), PhD (Zoology), 29 yrs</li> <li>B.Sc. (Hons), 24yrs</li> </ul>
		Water Quality	<ul style="list-style-type: none"> <li>Tom Koskela, Worley Parsons</li> <li>Daniel Collins, Worley Parsons</li> <li>Professor David Parry, T&amp;I</li> </ul>	<ul style="list-style-type: none"> <li>B.App.Sc., 14 yrs</li> <li>B.Sc. (Hons.), 11 yrs</li> <li>B.AppSc. (Chem/Biol), Dip Ed, PhD (Chemistry), 32 yrs</li> </ul>
		Physical environment and coastal processes	<ul style="list-style-type: none"> <li>Stephen Victory, Worley Parsons</li> <li>Mathew Barnes, Worley Parsons</li> <li>Steven Miller, T&amp;I</li> <li>Professor David Parry, T&amp;I</li> </ul>	<ul style="list-style-type: none"> <li>B.E. (Civil), 29 yrs</li> <li>Ph.D, 4 yrs</li> <li>B.Eng. (Env.), 7 yrs</li> <li>B.AppSc. (Chem/Biol), Dip Ed, PhD (Chemistry), 32 yrs</li> </ul>
		Dredge Modelling	<ul style="list-style-type: none"> <li>Professor David Parry, T&amp;I</li> <li>Matthew Zed, Worley Parsons</li> </ul>	<ul style="list-style-type: none"> <li>B.AppSc. (Chem/Biol), Dip Ed, PhD (Chemistry), 32 yrs</li> <li>B.Eng. (Env) (Hons), B.Comm., 7 yrs</li> </ul>

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8	Avian Migratory		<ul style="list-style-type: none"> <li>• Morgan Thomas, Ecotone Environmental Services</li> <li>• David Gatfield, URS</li> </ul>	<ul style="list-style-type: none"> <li>• B.Nat Res, 19 yrs</li> <li>• B.Sc., 3yrs</li> </ul>
10, 11, 12, 13	Commonwealth Marine Area, Great Barrier Reef Marine Park, Great Barrier Reef World Heritage Area, Great Barrier Reef National Heritage Place	All	<ul style="list-style-type: none"> <li>• Alexandra Mayes, T&amp;I</li> <li>• Anthony Russo, RTA</li> <li>• Ryan Duysen, RTA</li> <li>• Damon Newling, RTA</li> <li>• Robyn Skinner, Glade Consulting</li> <li>• Alison Lane, URS</li> </ul>	<ul style="list-style-type: none"> <li>• B.AppSc. (Env Res Mgt), 13 yrs</li> <li>• B.Eng. (Env) Hons, 16 yrs</li> <li>• B.Sc (Mol Bio); ME (Env Eng), 15 yrs</li> <li>• B.Sc. (Hons) PhD, 12 yrs</li> <li>• B.Nat.Res. (Hons), M.Res.Sc., 17 yrs</li> <li>• B.AppSc. (Hons), PhD, 13 yrs</li> </ul>
14	Air Quality		<ul style="list-style-type: none"> <li>• Mark Simpson, Noise Mapping Australia</li> </ul>	<ul style="list-style-type: none"> <li>• B.Eng. (Mechanical), 27 yrs</li> </ul>
15	Noise and Vibration		<ul style="list-style-type: none"> <li>• Mark Simpson, Noise Mapping Australia</li> <li>• Steven Miller, T&amp;I</li> <li>• Matthew Terlich, Savery and Associates</li> <li>• Dr Liping Jin, Savery and Associates</li> <li>• Dr Marshall Hall, private consultant.</li> </ul>	<ul style="list-style-type: none"> <li>• B.Eng. (Mechanical), 27 yrs</li> <li>• B.Eng. (Env.), 7yrs</li> <li>• B.E. (Mechanical) (Hons), 12 yrs</li> <li>• B.Eng. (Elec &amp; IT), M.Eng, PhD, 2 yrs.</li> <li>• B.Sc. (Hons) Physics, Dip Ed, PhD, 45 yrs</li> </ul>
16	Water	Groundwater	<ul style="list-style-type: none"> <li>• Ewan Wilson, Golder Associates</li> <li>• Nigel Moon, Golder</li> <li>• David Whiting, Golder</li> </ul>	<ul style="list-style-type: none"> <li>• B.ScEng., PhD, 31 yrs</li> <li>• B.Eng. (Env.), 7 yrs</li> <li>• B.AppSc. (Hons), MSc, 16 yrs</li> </ul>
		Hydrology	<ul style="list-style-type: none"> <li>• Scott Weeks, Golder</li> <li>• Andrew Davidson, Golder</li> </ul>	<ul style="list-style-type: none"> <li>• B.Sc. (Hons), PhD, 15 yrs</li> <li>• B.Sc., 19 yrs</li> </ul>
		Surface Water Quality	<ul style="list-style-type: none"> <li>• Dr. Ross Smith, Hydrobiology</li> </ul>	<ul style="list-style-type: none"> <li>• B.Sc. (Marine Biology &amp; Zoology) (Hons), PhD (Zoology)</li> </ul>

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		Stream Geomorphology	• Ben Pearson, Hydrobiology	• B.AppSc. (Tropical Env Mgt & Geog) (Hons), PhD.
		Water Management	• Alan Irving, T&I	• B.For.Sc., M.Ag.Sc, 27 yrs
		Underwater Noise	• Dr Liping Jin, Savery and Associates	• B.Eng. (Elec & IT) M.Eng., PhD, 2 yrs.
<b>17</b>	<b>Economics</b>	Economic Impacts	• Sasha Lennon, SGS Economics and Planning	• B.Ec., Grad Dip. Advanced Ec. (La Trobe), 18 yrs
			• Mark Donaldson, SGS Economics and Planning	• B.Econ. (Quant Methods), 4 yrs
			• Alan Irving, T&I	• B.For.Sc., M.Ag.Sc, 27 yrs
	<b>Social</b>	Consultation and Social Impact Assessment	• Ben Laidlaw, RTA	• B.Ed. (Phys Ed), 6 yrs
			• Narelle Wolfe, RTA	• B.Sc. (Hons), 15 yrs
		Traditional Use Activities and Non-Indigenous cultural heritage	• Alan Irving, T&I	• B.For.Sc., M.Ag.Sc, 27 yrs
			• Stuart Huys, Australian Archaeological Survey Consultants	• B.A. (Hons), 17 yrs
			• Dr Justin Shiner, T&I	• B.A. (Hons), PostGradDip, PhD (Auck) 13 yrs
<b>18</b>	<b>Cumulative Impacts</b>		• Alan Irving, T&I	• B.For.Sc., M.Ag.Sc, 27 yrs
			• Fiona Talbot, T&I	• B.Sc. (Res Env Mgt), Grad Cert Sc. Comm, 15 yrs
			• Alexandra Mayes, T&I	• B.AppSc. (Env Res Mgt), 13 yrs
			• Anthony Russo, RTA	• B.Eng. (Env) Hons, 16 yrs
			• Chris Pigott, URS	• B.E., MUS, 33 yrs
			• Alison Lane, URS	• B.AppSc. (Hons), PhD, 13 yrs
			• Mike Bricks, URS	• B.A. (Urban and Regional Planning), 22 yrs
<b>All</b>	<b>Figures</b>	Maps and Diagrams	• Ian Hubbard, Resource Exploration Mapping	• B.AppSc. Cartography (QUT), GradDip Computing (Monash), 19 yrs
			• Rachel Pala, Resource Exploration Mapping	• B.Sc. Cartography (PNG UT), 7 yrs
			• Jennifer Vetali, Resource Exploration Mapping	• B.Sc. Cartography (PNG UT), 7 yrs

