

# LOWER FITZROY RIVER INFRASTRUCTURE PROJECT

## Appendix W Project commitments



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In addition to the environmental management plan (EMP) and environmental management system (Volume 1, Chapter 23 and Volume 2, Chapter 13, respectively) described for the Lower Fitzroy River Infrastructure Project (Project) this appendix lists all commitments made by the Proponent in the EIS, referenced to the relevant section of the EIS.

Given that the Project is expected to be staged, commitments will be applied relevant to the stage being developed. For example, in general, if Eden Bann Weir Stage 2 is developed, only commitments relevant to impacts associated with development of Stage 2 will be applied. Likewise if Rookwood Weir Stage 1 is developed only those commitments relevant to this stage will be applied.

**Table W-1 Climate, natural hazards and climate change**

Commitment	Relevant section of EIS
The potential risks climate hazards pose to the Project have been addressed through design, construction scheduling and measures within the Project EMP.	Volume 1, Chapter 23, Section 23.4.13 and 23.5.4

**Table W-2 Land**

Commitment	Relevant section of EIS
<b>Scenic amenity and lighting</b>	
Commitments are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.3
<b>Topography, geology and soils</b>	
Commitments incorporated into design criteria and addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.1
Physical model studies will be undertaken to inform erosion protection works downstream.	Volume 1, Chapter 5, Section 5.3.3.3
A geomorphological assessment will be undertaken to refine predictions in relation to potential impacts such as sedimentation, erosion prone soils, bank slump etc.	Volume 1, Chapter 5, Section 5.3.3.3
<b>Land contamination</b>	
Commitments are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.2
Where potential areas of contamination have been identified, site inspections will be conducted and appropriate management measures developed as necessary.	Volume 1, Chapter 5, Section 5.4.3.2
<b>Land use and tenure</b>	
Commitments addressed as part of the social commitments (Table W-13) and within the EMP.	Volume 1, Chapter 23, Section 23.4.11 and 23.5.3

**Table W-3 Flora**

Commitment	Relevant section of EIS
Commitments are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.3 and 23.5.1
The Project commits to providing offsets for black ironbox ( <i>Eucalyptus raveretiana</i> )	Volume 2, Chapter 14,

Commitment	Relevant section of EIS
in accordance with the <i>Environment Protection and Biodiversity Conservation Act 1999</i> (EPBC Act) and EPBC Act Environmental Offsets Policy.	Section 14.3.4
Prior to the commencement of Project activities, further flora surveys will be undertaken to verify the area of Brigalow ( <i>Acacia harpophylla</i> dominant and co-dominant) present and impacted as a result of the Project.	Volume 1, Chapter 6, Section 6.3.2.1
Where loss of Brigalow TEC due to impoundment is unavoidable an offset will be provided in accordance with EPBC Act and EPBC Act Environmental Offsets Policy.	Volume 2, Chapter 14, Section 14.3.2

**Table W-4 Aquatic ecology**

Commitment	Relevant section of EIS
Fish lock arrangements at both Eden Bann Weir and Rookwood Weir will facilitate upstream and downstream movement at low and high reservoir levels, provide passage for most flows and cater for small and large bodied fish.	Volume 1, Chapter 22, Section 22.2.3.5 Volume 3, Appendix X
A Fish Monitoring Program will be designed and implemented to monitor the effectiveness of fish passage infrastructure.	Volume 1, Chapter 7, Section 7.3.9.6
The Project will implement species management program for the Fitzroy River turtle ( <i>Rheodytes leukops</i> ).	Volume 3, Appendix M
A specifically designed turtle passage facility (turtle ramp) will be constructed at Eden Bann Weir and Rookwood Weir.	Volume 1, Chapter 7, Section 7.3.9.6
The Project will provide offsets for residual impacts to the Fitzroy River turtle in accordance with the EO Act, Environmental Offsets Regulation and the Queensland Environmental Offsets Policy and the EPBC Act and EPBC Act Environmental Offsets Policy.	Volume 1, Chapter 22, Section 22.3
Implement mitigation and management measures in relation to aquatic ecology impacts as described within the EMP.	Volume 1, Chapter 23, Section 23.4.3 and 23.5.1

**Table W-5 Terrestrial fauna**

Commitment	Relevant section of EIS
Commitments to mitigating and managing terrestrial fauna impacts are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.3 and 23.5.1

**Table W-6 Water resources**

Commitment	Relevant section of EIS
<b>Surface Water</b>	
A detailed geomorphic site assessment will be undertaken including: <ul style="list-style-type: none"> <li>A geomorphic condition assessment at selected sites upstream of the future impoundment area, within the future impoundment area and downstream of the weir</li> <li>Stability assessments to describe pre-development characteristics of the river bed and banks, channel stability, the potential for failure and</li> </ul>	Volume 1, Chapter 9, Section 9.3.2.7

Commitment	Relevant section of EIS
<p>erodibility, amongst others. provide baseline conditions</p> <ul style="list-style-type: none"> <li>The identification of key indicators for long-term monitoring of geomorphic and fluvial characteristics within the project development area as part of an adaptive management programme.</li> </ul>	
In the event that scouring, erosion and slumping do occur rehabilitation and restoration of impacted areas will be undertaken in accordance with protocols and guidelines as defined in the EMP.	Volume 1, Chapter 9, Section 9.3.2.7
Augment and/or develop a new Resource Operations Plan for the Fitzroy Basin to include a raised Eden Bann Weir and/or Rookwood Weir, including negotiation and compensation for changes to existing water entitlements.	Volume 1, Chapter 9, Section 9.3.2.4
Further commitments to mitigating and managing surface water impacts are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.4 and 23.5.2
<b>Groundwater</b>	
No specific commitments relating to groundwater as the Project is not expected to have a significant impact on groundwater in the area.	Volume 1, Chapter 10, Section 10.3
<b>Water quality</b>	
Commitments are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.4 and 23.5.2

**Table W-7 Air quality**

Commitment	Relevant section of EIS
Commitments are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.5

**Table W-8 Greenhouse gas emissions**

Commitment	Relevant section of EIS
Commitments are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.6

**Table W-9 Noise and vibration**

Commitment	Relevant section of EIS
Commitments are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.7

**Table W-10 Waste**

Commitment	Relevant section of EIS
Commitments are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.8

**Table W-11 Transport**

Commitment	Relevant section of EIS
Discussions will be held with Aurizon and the Department of Transport and Main Roads (DTMR) to inform the development of appropriate traffic management plans (as applicable) for use of Gogango rail crossing, including provision of dilapidation surveys and repair, maintenance and reinstatement requirements	Volume 1, Chapter 16, Section 16.3.2
Traffic management plans will be developed in consultation with DTMR, the Queensland Police Service and bus operators.	Volume 1, Chapter 16, Section 16.3.6
New bridges will be constructed at Glenroy Crossing, Riverslea Crossing and Foleyvale Crossing (relative to infrastructure build and impoundment impacts).	Volume 1, Chapter 16, Section 16.3.3
A bank of culverts and a causeway will be installed at Hanrahan Crossing to facilitate access during water releases from Rookwood Weir.	Volume 1, Chapter 16, Section 16.3.3
Augmentation of Thirsty Creek Road will be undertaken to facilitate construction access and maintain operational access to Rookwood Weir.	Volume 1, Chapter 16, Section 16.3.4
Dilapidation surveys will be undertaken at the Atkinson Road/Bruce Highway and Third Street/Capricorn Highway intersections prior to construction and provided to DTMR and Rockhampton Regional Council to facilitate that the intersection is restored to its original condition post-construction.	Volume 1, Chapter 16, Section 16.3.4
Further commitments to mitigating and managing transport impacts are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.9

**Table W-12 Cultural heritage**

Commitment	Relevant section of EIS
The Project will comply with the Cultural Heritage Management Plans developed with the relevant Aboriginal parties and approved by the State Government.	Volume 1, Chapter 17, Section 17.2.3
Commitments are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.10

**Table W-13 Social impact**

Commitment	Relevant section of EIS
Issues relating to the loss of land and/or loss of access to land along with impacts on productivity will be negotiated and agreed on a one-on-one basis with directly impacted landholders.	Volume 1, Chapter 18, Section 18.3.3.2
Commitments are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.11 and 23.5.3

**Table W-14 Economics**

Commitment	Relevant section of EIS
Commitments addressed as part of the social commitments (Table W-13)	

**Table W-15 Hazard and risk**

Commitment	Relevant section of EIS
The Project commits to an ongoing hazard and risk assessment process throughout the lifecycle of the Project that will focus on minimisation of risks to people, property and the environment as well as workers on the site.	Volume 1, Chapter 20, Section 20.1.2.1
Commitments are addressed within the EMP.	Volume 1, Chapter 23, Section 23.4.9, 23.4.12, 23.4.13 and 23.5.4.

**Table W-16 Cumulative impacts**

Commitment	Relevant section of EIS
In order to minimise its contribution to cumulative impacts, the Project has sought to avoid, mitigate, manage and where necessary offset impacts associated with Project activities. No other specific commitments are proposed.	Volume 1, Chapter 21, Section 21.5

**Table W-17 Environmental management**

Commitment	Relevant section of EIS
The Project commits to further refinement of the EMP, including the Construction EMP.	Volume 1, Chapter 23
The Project commits to development of the Operational EMP in accordance with the Water Resource (Fitzroy Basin) Plan 2011, the Fitzroy ROP and resource operations licence.	Volume 1, Chapter 23