

Appendix B

Checklist of key issues to be addressed in the Environmental Assessment

Table B-1 Checklist of key issues to be addressed in the Environmental Assessment

Issues Raised	Reference in EA
GENERAL REQUIREMENTS	
• Executive summary.	Page E.i
• Project description.	
– Need for the project.	2.4
– Alternatives considered.	5.3
– Components and potential stages of the project.	7.1 - 7.3
• An environmental risk analysis identifying the potential environmental impacts associated with the project and taking into account issues raised during consultation.	Chapter 9
• An assessment of key issues specified below, with the following aspects addressed for each key issue (where relevant):	Chapters 10 -20
– Existing environment.	
– Assessment of potential impacts of the proposal (at both the construction and operation stages).	
– Identify any planning, land use, development related assumption or modeling used in impact prediction and/or developing management and mitigation commitments.	
– Describe measures to be implemented to avoid, minimize, manage, mitigate, offset and/or monitor the impacts of the project and the residual impacts.	
• A draft Statement of Commitments outlining environmental management, mitigation and monitoring measures.	Appendix D
• A conclusion justifying the proposed development taking into consideration the environmental, social and economic impacts of the proposal, the suitability of the site, and whether or not the project is in the public interest.	Chapter 22
KEY ISSUES	
Planning and Land use	
• Identification of impacts on existing and future land use, infrastructure, commercial resources, services and rehabilitation works, including:	
• property acquisition, changes to access and land configuration	14.5, 15.4
• heavy vehicle service centre locations and future industrial land in South Kempsey	15.3, 15.4

Issues Raised	Reference in EA
existing and known future residential development and access to surrounding communities	14.5, 15.3, 15.4
impacts on the operation of Churchill Quarry and pits on Quarry Road, Frederickton.	15.4
Traffic and Access	
Identification of traffic impacts (construction), changes to regional and local road network and access management, changes in usage characteristics, safety and performance.	14.3-14.5, 14.9
Identification of provisions relating to truck movements, freight efficiency, pedestrians, cyclist and public transport services.	14.6-14.8
Biodiversity	
Identification of biodiversity impacts and ecological performance, including direct and indirect impacts on habitat and flora and fauna (including threatened and protected species, populations and Endangered Ecological Communities, including the identification of Yellow-bellied Glider populations).	11.3
Advice should be given on landscape scale impacts, cumulative impacts on communities in the region, identification and protection of key habitats and corridors, key isolated habitat features, remnant floodplain vegetation, riparian zone impacts and impacts on river flows and creek regimes, and likely edge effects of the project (including Glossy Black-cockatoo foraging and nesting habitat).	11.3, 11.4
Identification of mitigation and monitoring measures, including a plan for the translocation of <i>Maundia triglochinos</i> and the provision of suitable habitat for Green-thighed Frogs.	11.4
Water	
- Identification of changed flood behaviour through modeling, including: - hydraulic modeling for a range of flood events	10.2
- description, justification and assessment of design objectives (including bridge and embankment design).	6.1, 10.2.1
Impacts of afflux and flood duration on land, infrastructure, assets, housing and business operations (including stock movement), and hazard and emergency service impacts within the affected area.	10.2.2
Review of stormwater management and impacts on drainage lines and infrastructure.	10.3.2
Identification of impacts on surface water, flows and quantity, with particular reference to any likely direct or indirect impacts on surrounding waterbodies, wetlands and their habitats.	10.3
Identification of impacts on groundwater.	10.4
Air Quality	
Identification of air quality impacts including the identification and quantification of emission sources, and the significance of impacts on local receivers (e.g. Frederickton Primary School).	20.2, 20.3
Describe the impacts on the regional air shed including the identification of greenhouse gas emissions.	20.3, 20.1, 21.3.3
Noise and Vibration	

Issues Raised	Reference in EA
Assessment of noise and vibration including an assessment of the existing environment, assessment criteria and methodologies (including predicted noise impacts at opening and 10 years after opening), and a description of the project impacts and affected receivers.	16.2, 16.3, 16.3.2, 16.4
Resources	
Identify and assess the impacts related to construction material needs and spoil disposal, and the consumption of energy and natural resources.	7.4, 21.3.4
Hazards and Risks	
Assessment and quantification of risks, including use, storage, disposal and transporting of hazardous and dangerous materials. Consideration should be given to exposure to natural events during construction and potential impacts to surrounding land uses associated with transporting "Dangerous Goods".	13.2, 13.3
Description and quantification of existing waste or chemical operations, and of liquid and non-liquid waste generated, handled, processed or disposed of during construction or operation of the proposal.	13.2, 13.3
Heritage	
Identify and assess the significance of Indigenous and non-Indigenous heritage and natural areas impacted directly or indirectly, including potential archaeological deposits. The State Heritage Inventory and other applicable heritage listings should be consulted. Affected items are to be identified by field survey.	17.1, 17.2, 17.3
Assess potential impacts on identified items and natural areas of heritage significance, and where necessary include a Statement of Heritage Impact Assessment.	17.4
Demonstrate that effective Aboriginal community consultation has been undertaken in determining and assessing impacts, developing options and making final recommendations.	17.1.2, 17.5
Soils and Geology	
Identify and assess surface, geological and soil characteristics and properties that may impact or be impacted on by the proposal.	12.2, 12.3
Consideration should be given to the potential for soft soils, soil contamination, acid sulfate soils and erosion and sediment control.	12.4.1, 12.4.3, 12.4.4, 12.4.5
Economic and Social Impacts	
Assess the economic and social impacts on local and regional communities and on existing and future development.	18.3, 15.4.3
- Consideration should be given to impacts on: - agribusiness and management, including fragmentation and potential loss of agricultural land and farm viability, stock movement to flood refuges and evacuation availability, and stock diseases and the impact on quarantined properties of a revised road network, and on traveling stock reserves.	18.3.3, 15.4.3
social and economic outcomes for bypassed towns and surrounding communities and loss of trade for highway-based business.	18.3.2
Urban Design and Landscaping	

Issues Raised	Reference in EA
Describe the visual significance of the affected landscape (including district views across the floodplain and other local views).	19.2
Identification of sources of visual impacts (including bridges, embankments, interchanges, Frederickton levee and alterations to natural landscape features) and their visual impact on affected landscapes.	19.3
Consultation	
You should undertake an appropriate and justified level of consultation with relevant parties during the preparation of the Environmental Assessment, including:	
local, State or Commonwealth government authorities and service providers	4.1, 4.3
the public (including community groups or affected landowners) - document all community consultation undertaken to date or discuss the proposed strategy for undertaking community consultation. This should include any contingencies for addressing any issues arising from the community consultation and an effective communications strategy.	4.1, 4.2, 4.3
The consultation process and the issues raised should be described in the Environmental Assessment.	4.2-4.4