



REPORT

Annual Environmental Return EPBC 2009/4976 Gas Transmission Pipeline

Q-1800-15-RP-2229

Australia Pacific LNG Upstream Phase 1

EPBC 2009/4976 Gas Transmission Pipeline Annual Return 2012-2013

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- **May or can** indicate a possible course of action.

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1. Introduction

The Australia Pacific LNG Project (Project) was referred to the Department of Sustainability, Environment, Water, Population and Communities (DSEWPaC) on 6 July 2009 for a determination as to whether the proposal constitutes a controlled action requiring approval under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act).

Australia Pacific LNG Pty Ltd (Australia Pacific LNG) made three separate referrals for different parts of the Project. On 3 August 2009, the Minister determined that each referral constitutes a controlled action under the EPBC Act.

On 21 February 2011, Australia Pacific LNG received a conditional approval from DSEWPaC to develop, construct, operate and decommission a high pressure gas transmission pipeline network to link coal seam gas fields to a proposed LNG facility on Curtis Island. This Approval, which is relevant to this report, is EPBC 2009/4976.

1.1. Purpose and Scope

The purpose of this report is to demonstrate compliance with specific conditions in EPBC 2009/4976.

Condition 54 of EPBC 2009/4976 requires an Annual Environmental Return to be produced to identify compliances, non-compliances, impacts and amendments relating to the conditions of approval and Matters of National Environmental Significance (MNES). This report has been prepared in accordance with condition 54.

Condition 54 requires that:

The proponent must produce an Annual Environmental Return which:

- a. Addresses compliance with these conditions;*
- b. Records any unavoidable adverse impacts on MNES, mitigation measures applied to avoid adverse impacts on MNES; and any rehabilitation work undertaken in connection with any unavoidable adverse impact on MNES;*
- c. Identifies all non-compliance with these conditions; and*
- d. Identifies any amendments needed to plans to achieve compliance with these conditions.*

Additionally, in accordance with condition 55, the Annual Environmental Return will be published on the Project website within 20 calendar days of each anniversary date of the Approval.

1.2. Reporting Period

The reporting period relevant to this report is 21 February 2012 to 20 February 2013 inclusive.

1.3. Abbreviations

Table 1: Abbreviations

Abbreviation	Description
AVMP	Aquatic Values Management Plan
CMTP	Management and Translocation Plan for <i>Cycas megacarpa</i>
DEHP	Queensland Department of Environment and Heritage Protection
DMP	Dredge Management Plan
DSEWPaC	Department of Sustainability, Environment, Water, Population and Communities
EA	Environmental Authority
EIS	Environmental Impact Statement
EPBC Act	Environment Protection and Biodiversity Conservation Act 1999
EM Plan	Environmental Management Plan
HDD	Horizontal Directional Drilling
Ha	Hectares
MCJV	McConnell Dowell Constructors and Consolidated Contracting Company Joint Venture
MNES	Matters of National Environmental Significance
ROW	Right of Way
PPL	Petroleum Pipeline Licence
QGC/QCLNG	Queensland Gas Company/ Queensland Curtis Liquefied Natural Gas
SDPWO Act	State Development Public Works Organisation Act 1971
SSMP	Significant Species Management Plan

1.4. Document references

Table 2: Associated Document References

Document Number	Title
Q-LNG01-15-MP-0118	Management and Translocation Plan for <i>Cycas megacarpa</i>
Q-1801-15-MP-0002	Main Pipeline Environmental Management Plan
Q-1802-15-MP-0017	Environmental Management Plan - PPL162 Terrestrial
Q-LNG01-15-MP-0076	Pipeline Threatened Ecological Community Management Plan
Q-LNG01-15-MP-0075	Pipeline Threatened Flora Management Plan
Q-LNG01-15-MP-0074	Pipeline Threatened Fauna Management Plan
Q-1800-15-MP-0040	Aquatic Values Management Plan
QCLNG-BG03-ENV-PLN-000004	QCLNG Narrows Marine EM Plan
QCLNG-BG-03-ENV-PLN-000073	Dredge Management Plan (DMP)
QCLNG-BG03-ENV-PLN-000036	QCLNG Export Pipeline Narrows Crossing Project - Significant Species Management Plan
QCLNG-BG03-ENV-RPT-000087	QCLNG Narrows Crossing Aquatic Values Management Plan

2. Annual Environmental Return

2.1. Compliance

Compliance with the conditions of EPBC Approval 2009/4976 is set out in Table 3.

2.2. Matters of National Environmental Significance

Refer to Section 3 for a Reconciliation of Disturbance Limits for the reporting period.

2.3. Non-Compliances

No material environmental non-compliances have occurred on the project site during the reporting period of 21 February 2012 to 20 February 2013. Any potential non-compliance identified in Table 3 has been reported to DSEWPaC.

2.4. Amendments to Plans

During the reporting period, a number of plans prepared under this approval have been revised and resubmitted to the Minister for approval as outlined in the relevant sections in Table 3.

Table 3: Compliance Table - EPBC 2009/4976

Condition No.	Condition	Status	Compliance
Project Area			
1	The pipeline route and ROW is the area substantially depicted in the map at Attachment 1 and in the EIS and supplementary information provided pursuant to section 35(2) if the SDPWO Act 1971 (Qld).	Noted	On 20 February 2012, Australia Pacific LNG submitted a request to DSEWPaC to amend Attachment 1 of the EPBC Approval to include a map of the current pipeline alignment. The proposed variation to the pipeline route was accepted by DSEWPaC on 15 March 2012.
Environmental Management Plan (excluding the Narrows)			
2	The proponent must prepare an Environmental Management Plan to manage the impacts of construction, operation and decommissioning of the pipeline (other than in relation to the Narrows on listed threatened species and ecological communities, listed migratory species and values of the World and National Heritage-listed Great Barrier Reef.	Compliant	<i>No updates since previous Annual Return.</i> An Environmental Management Plan (EM Plan) has been prepared for the pipeline - Main Pipeline EM Plan (Q-1801-15-MP-0002).
3	The Environmental Management Plan must include: <ul style="list-style-type: none"> a. Provisions for detailed pre-clearance surveys by a suitably qualified ecologist along the entire length of the ROW, in accordance with conditions 5 to 10; b. Measures to minimise native and riparian vegetation clearance and to minimize the impact on listed species, their habitat and ecological communities in accordance with management plans required for MNES under this approval; c. Measures to manage the impact of clearing on each listed species and ecological community in accordance with management plans required for MNES under this approval; d. Measures to regenerate vegetation on the ROW where natural regeneration is not successful; e. Measures to minimise impacts on fauna during pipeline construction including: <ul style="list-style-type: none"> i. Measures to protect MNES in the areas of the ROW 	Compliant	<i>No updates since previous Annual Return.</i> The Main Pipeline EM Plan has been prepared in accordance with this condition. Pre-clearance surveys commenced in September 2011.

Condition No.	Condition	Status	Compliance
	<p>where trenching is being undertaken, including measures to exclude listed terrestrial fauna from gaining access to those areas of the ROW where trenching is currently being undertaken</p> <ul style="list-style-type: none"> ii. Mechanisms to allow fauna to escape from the pipeline trench iii. Daily morning surveys for trapped fauna iv. Mechanisms for a suitably qualified person to relocate fauna v. Record keeping for all survey, removal and relocation activities. <p>f. Machinery wash down procedures and ongoing monitoring to minimise the spread and establishment of weeds in the ROW. Monitoring of weed infestations within disturbed areas must occur at least monthly during construction and then quarterly for a period of two years after completion of construction. Appropriate weed control measures must be implemented. After the two-year period, the frequency of monitoring may be reconsidered by the proponent, based on success of control measures, the level of infestations and pipeline maintenance activities;</p> <p>g. Measures to manage and control feral animals that may spread due to the establishment of the ROW;</p> <p>h. Management of ignition sources during construction, maintenance and decommissioning of the pipeline to protect habitat values from wild fire;</p> <p>i. Measures for the management of acid sulfate soils.</p>		
4	The Environmental Management Plan must be submitted for the approval of the Minister. Commencement must not occur without approval. The approved plan must be implemented.	Compliant	<p><i>No updates since previous Annual Return.</i></p> <p>The Main Pipeline EM Plan was approved by the Minister 30 November 2011. Construction on the Main pipeline system commenced in July 2012.</p>
Pre Clearance Surveys			
5	Before the clearance of native vegetation in the pipeline ROW, the	Compliant	<i>No updates since previous Annual Return.</i>

Condition No.	Condition	Status	Compliance
	proponent must: <ol style="list-style-type: none"> a. Undertake pre-clearance surveys for the presence of listed threatened species and migratory species, their habitat and listed ecological communities; b. Alternatively, where recent surveys have already been undertaken and those surveys meet the Department's requirements for survey for the relevant MNES, the proponent may elect to develop management plans based on those surveys in accordance with the requirements of condition 8. 		All pre-clearance surveys have been and are conducted in accordance with this approval by DSEWPaC approved ecologists.
6	Pre-clearance surveys must: <ol style="list-style-type: none"> a. For each listed species, be undertaken in accordance with the Department's survey guidelines in effect at the time of the survey; b. Be undertaken by a suitably qualified ecologist approved by the Department in writing; c. Document the survey methodology, results and significant findings in relation to MNES; d. Apply best practice site assessment and ecological survey methods appropriate for each listed threatened species, migratory species, their habitat and listed ecological communities. 	Compliant	<i>No updates since previous Annual Return.</i> All pre-clearance surveys have been and are being conducted in accordance with this approval by DSEWPaC approved ecologists. The survey reports can be found on the Australia Pacific LNG website (http://www.aplng.com.au/environment/pre-clearance-surveys).
7	Pre-clearance survey reports (which document the methods used and the results obtained) must be published by the proponent, on its website and be provided to the Department on request.	Compliant	All pre-clearance surveys have been published on the Australia Pacific LNG website (http://www.aplng.com.au/environment/pre-clearance-surveys).
8	If a listed threatened species, migratory species or their habitat, or a listed ecological community is encountered during the surveys undertaken as required by condition 5 and is not specified in either condition 11 and 12, the proponent must submit a separate management plan for each species or ecological community to manage the unexpected impacts of clearing. In relation to each listed species	Compliant	During the reporting period, preferred habitat for additional threatened and migratory fauna species (i.e. Whimbrel, Pacific golden plover, Eastern curlew, Little tern, Murray Cod and Fitzroy River Turtle), not included in the initially approved Threatened Fauna Management Plan (TFMP) (Q-LNG01-15-MP-0074) were identified during the survey.

Condition No.	Condition	Status	Compliance
	<p>or ecological community, each plan must address:</p> <ol style="list-style-type: none"> a. The relevant characteristics describing each species, species habitat or ecological community; b. A map of the location of species, species habitat or ecological community in proximity to the ROW; c. Measures that will be employed to avoid impact on the species, species habitat or ecological community; d. A quantification of the unavoidable impact (in hectares and/or individual specimens); e. Where impacts are unavoidable and a disturbance limit is not specified for the listed species or ecological community under condition 11, propose offsets to compensate for the impact on the population of the species, species habitat or the ecological community; f. Current legal status; g. Known distribution. <p>For listed species, each plan must also include:</p> <ol style="list-style-type: none"> a. Known species populations and their relationships within the region; b. Biology and reproduction; c. Preferred habitat and microhabitat including associations with geology, soils, landscape features and associations with other native fauna and/or ecological communities; d. Anticipated threats to MNES from pipeline construction, operation and decommissioning; e. Management practices and methods to minimize impacts such as: <ol style="list-style-type: none"> i. Site rehabilitation timeframes, standards and methods ii. Use of sequential clearing to direct fauna away from impact zones iii. Re-establishment of native vegetation in linear infrastructure corridors iv. Handling practices for flora specimens v. Translocation and/or propagation practices and monitoring for translocation/propagation success vi. Monitoring methods including rehabilitation success and recovery. 		<p>The TFMP was subsequently revised to include the additional species in accordance with the condition and re-issued to DSEWPac in May and October 2012, respectively.</p>

Condition No.	Condition	Status	Compliance									
	f. Reference to relevant conservation advice, recovery plans or other policies, practices, standards or guidelines relevant to MNES published or approved from time to time by the Department.											
9	Each plan required under condition 8 must be submitted for the approval of the Minister. Commencement in the location covered by the management plan must not occur without approval. Each approved plan must be implemented.	Compliant	DSEWPAC approved the plan revised under condition 8 (Rev1) on 4 July 2012 and (Rev2a) on 2 November 2012.									
10	If, during construction a threatened species or migratory species or their habitat, or a listed ecological community is encountered and is not specified in the table at condition 11 or 12, the proponent must submit a separate management plan for each species or ecological community in accordance with condition 8 within 20 business days of encountering that MNES. Work must not continue at the construction site where the MNES is encountered until the relevant management plan has been approved. Each approved plan must be implemented.	Compliant	No species or habitat has been encountered during construction, which do not have an approved Species Management Plan.									
Disturbance Limits												
11	<p>(a) The following maximum disturbance limits apply to any disturbances authorized for unavoidable impacts on listed threatened communities and potential habitat for listed threatened species or migratory species as a result of the construction, operation and decommissioning of the pipeline (and all associated activities).</p> <table border="1"> <thead> <tr> <th colspan="3">Table 1: EPBC Listed threatened ecological communities</th> </tr> <tr> <th>Ecological community</th> <th>EPBC Status</th> <th>Disturbance Limit (ha)</th> </tr> </thead> <tbody> <tr> <td>Brigalow (<i>Acacia harpophylla</i> dominant)</td> <td>Endangered</td> <td>5.41</td> </tr> </tbody> </table>	Table 1: EPBC Listed threatened ecological communities			Ecological community	EPBC Status	Disturbance Limit (ha)	Brigalow (<i>Acacia harpophylla</i> dominant)	Endangered	5.41	Compliant	<p>DSEWPAC issued a variation to this condition via approval letter dated 30 August 2012. The approval increased the disturbance limit for <i>Cycas megacarpa</i> from 200 to 470 individuals.</p> <p>(a) The disturbance limits have not been exceeded during the reporting period.</p> <p>(b) Refer to Section 3 of this report for a reconciliation statement.</p>
Table 1: EPBC Listed threatened ecological communities												
Ecological community	EPBC Status	Disturbance Limit (ha)										
Brigalow (<i>Acacia harpophylla</i> dominant)	Endangered	5.41										

Condition No.	Condition	Status	Compliance																		
	<table border="1" data-bbox="353 300 1120 906"> <tr> <td data-bbox="353 300 663 352">and co-dominant)</td> <td data-bbox="663 300 864 352"></td> <td data-bbox="864 300 1120 352"></td> </tr> <tr> <td data-bbox="353 352 663 512">Semi-evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions</td> <td data-bbox="663 352 864 512">Endangered</td> <td data-bbox="864 352 1120 512">0.26</td> </tr> <tr> <td data-bbox="353 512 663 608">Species</td> <td data-bbox="663 512 864 608">EPBC Status</td> <td data-bbox="864 512 1120 608">Disturbance Limit (ha)</td> </tr> <tr> <td data-bbox="353 608 663 703"><i>Cycas megacarpa</i> (Large-fruited Zamia)</td> <td data-bbox="663 608 864 703">Endangered</td> <td data-bbox="864 608 1120 703">470 individuals</td> </tr> <tr> <td data-bbox="353 703 663 799"><i>Cadellia pentastylis</i> (Ooline)</td> <td data-bbox="663 703 864 799">Vulnerable</td> <td data-bbox="864 703 1120 799">10 individuals</td> </tr> <tr> <td data-bbox="353 799 663 895"><i>Xeromys myoides</i> (Water Mouse)</td> <td data-bbox="663 799 864 895">Vulnerable</td> <td data-bbox="864 799 1120 895">15.6</td> </tr> </table> <p data-bbox="353 922 1120 1050">(b) The proponent must prepare a reconciliation statement of impacts against the agreed limit of disturbance, as defined in condition 11(a). It must be updated by the proponent every 12 months from commencement until construction is complete.</p>	and co-dominant)			Semi-evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions	Endangered	0.26	Species	EPBC Status	Disturbance Limit (ha)	<i>Cycas megacarpa</i> (Large-fruited Zamia)	Endangered	470 individuals	<i>Cadellia pentastylis</i> (Ooline)	Vulnerable	10 individuals	<i>Xeromys myoides</i> (Water Mouse)	Vulnerable	15.6		
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<i>Xeromys myoides</i> (Water Mouse)	Vulnerable	15.6																			
12	<p data-bbox="353 1086 1120 1182">The proponent must prepare a management plan for each species in the table below. Each plan must be prepared in accordance with the requirements of condition 8.</p> <table border="1" data-bbox="353 1198 1120 1358"> <tr> <td colspan="2" data-bbox="353 1198 1120 1294">Table 2: Species management plans required before commencement</td> </tr> <tr> <td data-bbox="353 1294 907 1358">Listed flora species</td> <td data-bbox="907 1294 1120 1358">EPBC Act Status</td> </tr> </table>	Table 2: Species management plans required before commencement		Listed flora species	EPBC Act Status	Compliant	<p data-bbox="1317 1086 1980 1145">The following plans have been prepared by Australia Pacific LNG to satisfy this condition:</p> <ul data-bbox="1317 1166 1980 1358" style="list-style-type: none"> • Pipeline Threatened Ecological Community Management Plan (Q-LNG01-15-MP-0076); • Pipeline Threatened Flora Management Plan (Q-LNG01-15-MP-0075); • Pipeline Threatened Fauna Management Plan (Q-LNG01-15-MP-0074). 														
Table 2: Species management plans required before commencement																					
Listed flora species	EPBC Act Status																				

Condition No.	Condition	Status	Compliance
	<i>Philothea sporadic</i>	Vulnerable	<p>During the reporting period, the above Species Management Plans (SMP) have been revised to include administrative changes and additional species as noted under condition 8.</p> <p>OGC has prepared a Significant Species Management Plan (SSMP) (QCLNG-BG03-ENV-PLN-000036) for the Narrows Crossing and Export pipeline in relation to the impacts on the Water Mouse, and covering 6 out of 8 sections of the Narrows Crossing.</p>
<i>Cadellia pentastylis</i> (Ooline)	Vulnerable		
<i>Cupaniopsis shirleyana</i> (Wedge-leaf Tuckeroo)	Vulnerable		
<i>Bothriochloa biloba</i> (Lobed Blue-grass)	Vulnerable		
<i>Polianthion minutiflorum</i> (Small-flowered polianthion)	Vulnerable		
<i>Eucalyptus virens</i> (Shiny-leaved Ironbark)	Vulnerable		
Quassia bidwillii (Quassia)	Vulnerable		
<i>Tylophora linearis</i> (Slender tylophora)	Endangered		
<i>Westringia parvifolia</i> (Small-leaved westringia)	Vulnerable		
Listed fauna species	EPBC Act Status		
<i>Paradelma orientalis</i> (Brigalow Scaly-foot)	Vulnerable		
<i>Furina dunmalli</i> (Dunmall's Snake)	Vulnerable		
<i>Egernia rugosa</i> (Yakka Skink)	Vulnerable		
<i>Geophaps scripta scripta</i> (Squatter pigeon - southern)	Vulnerable		
<i>Nyctophilus timoriensis</i> (Eastern Long-eared Bat)	Vulnerable		

Condition No.	Condition	Status	Compliance								
	<table border="1"> <tr> <td><i>Chalinolobus dwyeri</i> (Large-eared Pied Bat)</td> <td>Vulnerable</td> </tr> <tr> <td><i>Xeromys myoides</i> (Water Mouse)</td> <td>Vulnerable</td> </tr> <tr> <td><i>Delma torquate</i> (Collared Delma)</td> <td>Vulnerable</td> </tr> <tr> <td><i>Denisonia maculate</i> (Ornamental Snake)</td> <td>Vulnerable</td> </tr> </table>	<i>Chalinolobus dwyeri</i> (Large-eared Pied Bat)	Vulnerable	<i>Xeromys myoides</i> (Water Mouse)	Vulnerable	<i>Delma torquate</i> (Collared Delma)	Vulnerable	<i>Denisonia maculate</i> (Ornamental Snake)	Vulnerable		
<i>Chalinolobus dwyeri</i> (Large-eared Pied Bat)	Vulnerable										
<i>Xeromys myoides</i> (Water Mouse)	Vulnerable										
<i>Delma torquate</i> (Collared Delma)	Vulnerable										
<i>Denisonia maculate</i> (Ornamental Snake)	Vulnerable										
13	Each plan must be submitted for the approval of the Minister. Commencement in the location covered by the management plan must not occur without approval. Each approved plan must be implemented.	Compliant	<i>No updates since previous Annual Return.</i>								
14	Disturbance of vegetation related to the construction and maintenance of the pipeline must be confined to the ROW. Any proposed siting of construction camps, vehicle access tracks, extra workspaces and pipe laydown areas outside of the ROW during construction must be undertaken so as to minimise potential adverse impacts on MNES.	Compliant	Construction on the ROW is confined to the ROW. Assessments are undertaken of proposed disturbance for construction camps, vehicle access tracks, extra workspaces and pipe laydown areas or other areas outside of the ROW during construction. Recommendations from approved ecologists are taken into consideration in finalizing the location to minimize potential adverse impacts on MNES.								
Offsets											
	<i>Cycas megacarpa</i>										
15	To offset the unavoidable impacts to <i>Cycas megacarpa</i> the proponent must: <ul style="list-style-type: none"> a. Within 12 months of the date of this approval, secure an area of at least 141 hectares as an offset for receiving no less than 1,800 and up to 2,820 translocated and propagated individuals (based on a 1:6 ratio of the number of <i>Cycas megacarpa</i> individuals disturbed). b. Identify alternative recruitment methods if it is considered unlikely that translocation and propagation will be 	Compliant	Condition 15(a) was amended on 30 August 2012 to increase the numbers of individuals to 1,800 and 2,820 (from previously 780 and 1,200). Australia Pacific LNG has an extension to the timeframe to secure a <i>Cycas megacarpa</i> offset site to 21 August 2013 (approved by DSEWPac on 5 February 2013).								

Condition No.	Condition	Status	Compliance
	<p>successful;</p> <p>c. Notify the Department in writing of the acquisition or transfer of ownership of the area identified in condition 15(a) within one month of securing the land;</p> <p>d. If the proponent proposes any action within a proposed offset area, other than actions related to managing that area as an offset property, approval must be obtained, in writing from the Department. IN seeking Department approval the proponent must provide a detailed assessment of the proposed action including a map identifying where the action is proposed to take place and an assessment of all associated adverse impacts on MNES. If the Department agrees to the action within the proposed offset site, the area identified for the action must be excised from the proposed offset and alternative offsets secured of equal or greater environmental value in relation to the impacted MNES;</p> <p>e. Demonstrate that the measures for securing and managing the offset will ensure that the offset is protected in perpetuity.</p>		
	<i>Cycas megacarpa</i> management plan		
16	The proponent must prepare a <i>Cycas megacarpa</i> Management Plan in consultation with an expert approved by the Department in writing.	Compliant	A Management and Translocation Plan for <i>Cycas megacarpa</i> (CMTP) (Q-LNG01-15-MP-0118) was submitted to DSEWPaC in December 2011. The CMTP was approved on 31 August 2012 and contains a declaration by expert Dr Paul Forster who is registered with DSEWPaC (since 9 August 2012) as an approved ecologist.
17	<p>The <i>Cycas megacarpa</i> management plan must include:</p> <p>a. Measures to ensure all <i>Cycas megacarpa</i> within the ROW are avoided. If avoidance is not possible, individual plants must be removed and kept offsite and replanted in the same location, or alternatively translocation. Where it can be demonstrated that removal and translocation of individuals is unlikely to succeed, translocation may be substituted by</p>	Compliant	<p>Condition 17(b) was amended on 30 August 2012 to increase the numbers of individuals to 1,800 and 2,820 (from previously 780 and 1,200).</p> <p>The Management and Translocation Plan for <i>Cycas megacarpa</i> has been prepared and is being implemented in accordance with this condition.</p>

Condition No.	Condition	Status	Compliance
	<ul style="list-style-type: none"> establishing propagated individuals; b. Measures to propagate and plant <i>Cycas megacarpa</i> individuals removed or impacted by construction activities to maintain a population of no less than 1,800 and up to 2,820 individuals (based on a 1:6 ratio of the number of <i>Cycas megacarpa</i> individuals disturbed) within the offset site required by condition 15(a). c. A detailed methodology for translocation, propagation and planting, including a map of the location of the offset site; d. Details of funding required to secure, maintain and enhance the values of the offset site in perpetuity; e. Details of a suitably qualified person to undertake translocation, propagation and planting; f. Details of the erosion and sediment control measures to be implemented in the ROW in the Callide and Calliope Ranges; g. Measures to rehabilitate the ROW in the Callide and Calliope Ranges; h. Measures for the control and management of weeds, fire, feral animals, access and grazing in translocation sites; i. Measures for management, maintenance and protection of the population of <i>Cycas megacarpa</i> individuals in the offset site for a period of five years following the final planting; j. Details of monitoring practices to assess the success of proposed management regimes of the offset; k. Performance measures, reporting requirements, trigger levels for corrective actions and identification of those actions to be taken to ensure performance measures are met. 		
18	The <i>Cycas megacarpa</i> Management Plan must be submitted for the approval of the Minister. Commencement in the location covered by the management plan must not occur without approval. Each approved plan must be implemented.	Compliant	<p>A revised CMTP was submitted in August 2012 and approved on 31 August 2012.</p> <p>It should be noted that the offset site has not been established to date.</p>
Migratory Species			
19	If a bundled pipeline crossing of the Narrows is not pursued then to offset the unavoidable impacts to listed migratory birds within the	Noted	<i>No updates since previous Annual Return.</i>

Condition No.	Condition	Status	Compliance
	ROW at the Kangaroo Island Wetlands west of the Narrows, the proponent must contribute at least \$250,000 to the Gladstone Port Corporation's migratory bird research study required by the conditions of the Gladstone Western Basin Dredging and Disposal Project (EPBC 2009/4904).		A bundled pipeline crossing is being undertaken by the QCLNG Project. Construction works are being undertaken by MCJV and managed by QGC for the marine crossing component in accordance with the Narrows Crossing Co-Operation Deed between QCLNG Pipeline Pty Ltd and Australia Pacific LNG Gladstone Pipeline Pty Ltd.
The Narrows crossing			
20	<p>The proponent must prepare an Environmental Management Plan for the crossing of the Narrows. This must include:</p> <ol style="list-style-type: none"> a. If the crossing is undertaken concurrently with the construction of one or more additional gas transmission pipelines (a bundled crossing): <ol style="list-style-type: none"> i. The roles and responsibilities of each party involved in the bundled crossing ii. Details of the final pipeline route, engineering design and construction methodology, including details of the total number of gas transmission pipes including any pipelines for water supply and/or sewerage iii. Potential impacts from the construction of the pipeline on listed threatened species, ecological communities, migratory species and World and National Heritage-listed values in the Great Barrier Reef iv. Mitigation measures to reduce impacts on listed threatened species, ecological communities, migratory species and World and National Heritage-listed values in the Great Barrier Reef v. Proposed offset measures to compensate for unavoidable impacts on listed threatened species and ecological communities, listed migratory species and World and National Heritage-listed values in the Great Barrier Reef vi. Measures for the management of acid sulfate soils (both potential and actual) vii. Measures for ongoing maintenance and decommissioning of the pipelines; or 	Compliant	<p><i>No updates since previous Annual Return.</i></p> <p>The crossing of the Narrows has been addressed in eight parts:</p> <ol style="list-style-type: none"> 1. Phillipies Landing ROW 2. Phillipies Landing Road Section 3. Creek Section (Targinie and Humpie Creeks) 4. Marshland Section 5. Narrows Section 6. Curtis Island Section (Landing) 7. Curtis Island Right of Way 8. Temporary Accommodation Facility Section <p>An EM Plan has been prepared by Australia Pacific LNG addressing sections 1, 7 and 8, the terrestrial environment, and referring to the approved QCLNG Narrows EM Plan that addresses the marine component of the Narrows Crossing project.</p> <p>Works relating to the bundled pipeline crossing of the Narrows, items 2-6 and 8, are being undertaken by QGC, in accordance with the approved QCLNG Narrows Marine EM Plan (QCLNG-BG03-ENV-PLN-000004). DSEWPac has confirmed that QGC's EM Plan is approved and that Australia Pacific LNG's approval obligations are met by the approved QCLNG</p>

Condition No.	Condition	Status	Compliance
	<p>If the proponent does not proceed in a bundled crossing:</p> <ul style="list-style-type: none"> b. A construction method which, in the opinion of the Minister, will result in minimal surface disturbance to the Kangaroo Island Wetlands and minimal disturbance to the area of the estuary of the Narrows (preferably achieved by HDD or tunnelling); <ul style="list-style-type: none"> i. Details of the final pipeline route, design and construction methodology including details of the inclusion of pipes for water supply and sewerage; ii. Potential impacts from the construction of the pipeline on listed threatened species, ecological communities, migratory species and World and National Heritage-listed values in the Great Barrier Reef; iii. Mitigation measures to reduce impacts on listed threatened species, ecological communities, migratory species and World and National Heritage-listed values in the Great Barrier Reef iv. Proposed offset measures to compensate for unavoidable impacts on listed threatened species and ecological communities, listed migratory species and World and National Heritage-listed values in the Great Barrier Reef v. Measures for the management of acid sulfate soils (both potential and actual) vi. Measures for ongoing maintenance and decommissioning of the pipelines. 		EM Plan for the bundled crossing sections.
21	The Environmental Management Plan must be submitted for the approval of the Minister. Commencement in the location covered by the management plan must not occur without approval. Each approved plan must be implemented.	Compliant	<p>The Australia Pacific LNG Environmental Management Plan - PPL162 Terrestrial (Q-1802-15-MP-0002, superseded by Q-1802-15-MP-0017) was submitted to DSEWPac in November 2011. DSEWPac approved the EM Plan on 25 September 2012. Pipeline activities by Australia Pacific LNG on Curtis Island commenced in December 2012.</p> <p>The QCLNG Narrows Marine EM Plan (QCLNG-BG03-ENV-PLN-000004) was approved by the Minister 19 October 2011. Works commenced on 15 August 2012.</p>

Condition No.	Condition	Status	Compliance
22	If the pipeline construction involves dredging to be undertaken by the proponent under the approval to which these conditions are attached, the proponent must prepare a Dredge Management Plan.	Compliant	<p>Dredging relating to the Australia Pacific LNG Project will be managed by QGC under the Narrows Crossing Co-Operation Deed between QCLNG Pipeline Pty Ltd and Australia Pacific LNG Gladstone Pipeline Pty Ltd.</p> <p>QGC has prepared a Dredge Management Plan (DMP) (QCLNG-BG-03-ENV-PLN-000073), which was submitted to the Department in August 2012. DSEWPac approved the DMP on 7 August 2012.</p>
23	<p>The Dredge Management Plan required under these conditions must include:</p> <ol style="list-style-type: none"> a. Details of dredging methods, planned commencement, duration and frequency of dredging; b. Identification of areas of potentially impacted seagrass habitat and their environmental tolerances; c. Site specific water quality objectives for the designated habitats as a guideline for habitat protection and that are in accordance with the National Water Quality Management Strategy including the Australia and New Zealand Guidelines for Fresh and Marine Water Quality, the Australian Guidelines for Water Quality Monitoring and Reporting, the Great Barrier Reef Water Quality Guidelines and the Queensland Water Quality Guidelines; d. Measures to refine the plume modelling data presented in the proponent's EIS; e. Mitigation measures and controls for the dredging and spoil disposal activities; f. Triggers for initiating adaptive management and potential remediation measures; g. Monitoring of: <ol style="list-style-type: none"> i. Potential impacts of dredging on seagrass including but not limited to turbidity and light attenuation; ii. The triggers established under condition 23(f) iii. The long term impacts of the action 	Compliant	DSEWPac confirmed compliance with this condition in their letter dated 13 September 2012.

Condition No.	Condition	Status	Compliance
	<ul style="list-style-type: none"> h. Options, linked to the triggers established under condition 23(f), for adaptively managing the action - including options for varying the timing and location of dredging and spoil disposal activities; i. Details for monitoring of dredging activities, including timing and variables measured such as turbidity and light attenuation in a format as directed by the Department to allow validation of other modelling of dredging impacts relating to the Port of Gladstone; j. Measures to minimize the impact on listed migratory birds from noise associated with the construction activities; k. Measures to prevent and respond to the introduction of marine pest species; l. Measures to protect Dugongs and listed turtle including the use of turtle excluder devices; m. Details of dredge spoil placement; n. Provisions to sample and analyse dredge spoil composition. 		
24	The Dredge Management Plan must be submitted for the approval of the Minister. Commencement in the location covered by the management plan must not occur without approval. Each approved plan must be implemented.	Compliant	DSEWPaC approved the DMP on 7 August 2012. DSEWPaC confirmed compliance with this condition in their letter dated 13 September 2012. Dredging commenced on 22 August 2012.
Location of pipeline (Callide range)			
25	East of the Callide Range, the proponent must locate the pipeline within the Callide Infrastructure Corridor State Development Area substantially as indicated in the map at Attachment 1.	Compliant	The main pipeline will be located within the Callide Infrastructure Corridor State Development Area in accordance with the approval of a Material Change of Use of the premises obtained by the Coordinator General on 24 August 2012.
Water Crossings			
26	Where reasonably possible horizontal directional drilling (HDD) must be used for major waterway crossings, including: <ul style="list-style-type: none"> a. This within the Dawson and Calliope River catchments and 	Noted	HDD is being utilised to cross Humpie and Targinnie Creeks under the Narrows Crossing Co-Operation Deed between OCLNG Pipeline Pty Ltd and Australia Pacific LNG Gladstone

Condition No.	Condition	Status	Compliance
	<p>any water crossing within the known distribution of the Fitzroy River Turtle (<i>Rheodytes leukops</i>) and Murray Cod (<i>Maccullochella peelii</i>). Pipeline construction across waterways must not take place during the nesting and breeding season of the Fitzroy River Turtle;</p> <p>b. Humpie and Targinie Creeks.</p>		<p>Pipeline Pty Ltd. This is undertaken in accordance with the approved QCLNG Narrows Crossing Aquatic Values Management Plan (QCLNG-BG03-ENV-RPT-000087).</p>
27	<p>Trenchless techniques are not required in dry creek beds within the known distribution of the Fitzroy River Turtle (<i>Rheodytes leukops</i>) and Murray Cod (<i>Maccullochella peelii</i>) where the distance to the nearest water is sufficient to buffer any potential impacts resulting from the crossing technique or where the aquatic assessment has identified that MNES values can be protected through alternative construction methods.</p>	Noted	<p>Impacts to potential presence of MNES are mitigated through documented measures in the Aquatic Values Management Plan (AVMP) (Q-1800-15-MP-0040).</p>
28	<p>The proponent must prepare an Aquatic Values Management Plan. This plan must include:</p> <ul style="list-style-type: none"> a. A detailed assessment of aquatic values, including animal breeding locations for listed threatened and migratory species within the ROW; b. Measures to minimise impacts on listed riparian, aquatic and water dependent flora and fauna; c. Measures to minimise erosion and sediment impacts to waterways; d. Measures to maintain water quality and water flow requirements, including treatment and disposal methods for hydrostatic test water; e. Site specific mitigation measures for any potential impacts from construction and operation of the pipeline on listed threatened species, including but not limited to the Fitzroy River Turtle (including the use of shallow turbid pools); f. Details of the MNES survey of the site where the pipeline will cross Cockatoo Creek. To avoid impacts to the <i>Eriocaulon carsonii</i> (Salt Pipewort), the requirements for the Aquatic Values Management Plan (a) to (e) above should be presented separately for Cockatoo Creek. 	Compliant	<p>As a result of detailed assessments of all watercourse locations, an Aquatic Values Management Plan (AVMP) (Q-1800-15-MP-0040) has been prepared in accordance with this condition for the Main Pipeline System and submitted to the Minister in March 2012. DSEWPaC approved the plan on 6 May 2012. The AVMP has been revised since and resubmitted for approval, which was granted on 14 September 2012.</p> <p>An aquatic values management plan (QCLNG-BG03-ENV-RPT-000087) for the Narrows Creeks section was prepared and submitted by QCLNG on behalf of QCLNG and Australia Pacific LNG. This plan was approved by the Department on 30 September 2011.</p>

Condition No.	Condition	Status	Compliance
29	The Aquatic Values Management Plan must be approved in writing by the Minister. Commencement in the location covered by the management plan must not occur without approval. Each approved plan must be implemented.	Compliant	The Australia pacific LNG AVMP was approved on 6 May 2012. Clear and Grade works on the pipeline ROW have commenced in July 2012. The QCLNG AVMP was approved on 30 September 2011. Construction at the Narrows creek section commenced in August 2012.
Impacts on EPBC-listed species resulting from activities associated with the pipeline crossing at Cockatoo Creek			
30	If an EPBC listed species is identified during the survey required in condition 28(f), the proponent must develop and implement a management plan in accordance with the requirements of condition 8.	Noted	<i>No updates since previous Annual Return.</i> A detailed assessment has been undertaken and there was no presence of MNES species under condition 28(f) identified.
Notification of commencement			
31	Within 20 business days of commencement, the proponent must advise the Department in writing of the actual date of commencement.	Compliant	<i>No updates since previous Annual Return.</i>
32	If, at any time after 5 years from the date of this approval, the Minister notifies the proponent in writing that the Minister is not satisfied that there has been commencement of the action, the action must not commence without written agreement of the Minister.	Noted	
Request for variation of plans by the proponent			
33	If the proponent wants to act other than in accordance with the plan approved by the Minister under these conditions, the proponent must submit a revised plan for the Minister's approval.	Compliant	Works during the reporting period were conducted in accordance with currently approved plans.
34	If the Minister approves the revised plan, then that plan must be implemented instead of the plan originally approved.		

Condition No.	Condition	Status	Compliance
35	Until the Minister has approved the revised plan, the proponent must continue to implement the original plan.		
Revisions to plans by the Minister			
36	If the Minister believes that it is necessary or desirable for the better protection of a relevant controlling provision for the action, the Minister may request the proponent to make, within a period specified by the Minister, revisions to a plan approved under these conditions.	Noted	<p>On 15 November 2012, DSEWPaC requested under Condition 36 of EPBC 2009/4976:</p> <ul style="list-style-type: none"> • Australia Pacific LNG to revise its methodology for classifying habitat and calculating disturbance; • To obtain approval of the methodology prior to implementation; • To update the Pipeline Threatened Flora Management Plan, Threatened Ecological Community Management Plan and Threatened Fauna Management Plan with the approved methodology by 15 March 2013. <p>At the time of preparation of this Annual Return, these updates are in progress.</p>
37	If the Minister makes a request for a revision to a plan, the proponent must: <ul style="list-style-type: none"> a. Comply with that request; and b. Submit the revised plan to the Minister for approval within a period specified in the request. 		
38	The proponent must implement the revised plan on approval of the Minister.		
39	Until the Minister has approved the revised plan, the proponent must continue to implement the original plan.		
Minimum timeframes for consideration of plans			
40	For any plan required to be approved by the Minister under these conditions, the proponent must ensure the Minister is provided at least 20 business days for review and consideration of the plan, unless otherwise agreed in writing between the proponent and the Minister.	Noted	Noted.
Compliance with State environmental and other authorities			
41	The proponent must comply with all environmental authorisations issued by the State, including conditions of an environmental	Rectified Non-	At the state level, Australia Pacific LNG is required to comply with conditions imposed by the Queensland Coordinator

Condition No.	Condition	Status	Compliance
	authority issued under the EP Act.	compliance	General and the conditions of Environmental Authorities (EA) PEN 101808610 and PEN 101718310. Potential non-compliance with the conditions of the EA were reported to the Queensland Department of Environment and Heritage Protection (DEHP) and DSEWPaC during the Reporting Period.
Provision of State Plans			
42	If a condition of a State approval requires the proponent to provide a new plan then the proponent must also provide the plan to the Department or Minister on request, within the period specified in the request.	Noted	The Minister has made no such requests during the reporting period.
Timeframes			
43	If these conditions require the proponent to provide something by a specified time, a longer period may be specified in writing by the Minister.	Noted	During the reporting period, DSEWPaC agreed in writing (letter dated 22 August 2012 & 5 February 2013) to extensions to the timeframe to secure an offset site for <i>Cycas megacarpa</i> as prescribed by condition 15 of this approval.
Auditing			
44	On request of an within a period specified by the Department, the proponent must ensure that: <ul style="list-style-type: none"> a. An independent audit of compliance with these conditions is conducted; and b. An audit report, which addresses the audit criteria to the satisfaction of the Department, is published on the internet and submitted to the Department. 	Noted	An independent audit was not requested by the Department during the reporting period.
45	Before the audit begins, the following must be approved by the Department:		

Condition No.	Condition	Status	Compliance
	<ul style="list-style-type: none"> a. An independent auditor; and b. The audit criteria. 		
46	<p>The audit report must include:</p> <ul style="list-style-type: none"> a. The component of the project being audited; b. The conditions that were activated during the period covered by the audit; c. A compliance/non-compliance table; d. A description of the evidence to support audit findings of compliance or non-compliance; e. Recommendations on any non-compliance or other matter to improve compliance; f. A response by the proponent to the recommendations in the report (or, if the proponent does not respond within 20 business days of a request to do so by the auditor, a statement by the auditor to that effect); g. Certification by the independent auditor of the findings of the audit report. 		
47	The financial cost of the audit will be borne by the proponent.		
48	<p>The proponent must:</p> <ul style="list-style-type: none"> a. Implement any recommendations in the audit report, as directed in writing by the Department after consultation with the proponent; b. Investigate any non-compliance identified in the audit report; and c. If non-compliance is identified in the audit report - take action as soon as practicable to ensure compliance with these conditions. 		
49	<p>If the audit report identifies any non-compliance with the conditions, within 20 business days after the audit report is submitted to the Department the proponent must provide written advice to the Minister setting out the:</p> <ul style="list-style-type: none"> a. Actions taken by the proponent to ensure compliance with 		

Condition No.	Condition	Status	Compliance
	<p>these conditions; and</p> <p>b. Actions take to prevent a recurrence of any non-compliance, or implement any other recommendation to improve compliance, identified in the audit report.</p>		
Reporting non-compliance			
50	<p>The proponent must, when first becoming aware of a non-compliance with these conditions or a plan required to be approved by the Minister under these conditions:</p> <p>a. Report the non-compliance and remedial action to the Department within five business days;</p> <p>b. Bring the matter into compliance within a reasonable time frame specified in writing by the Department.</p>	Rectified Non-compliance	<p>Due to the operation of condition 41, Australia Pacific LNG has adopted a practice of reporting potential non-compliances with EA conditions to DSEWPaC (in addition to reporting them to DEHP). In most cases, DSEWPaC has been notified within the five business day period. Where reporting did not occur during the period, DSEWPaC was subsequently notified (see email sent 8 March 2013 from Campbell.Noble@originenergy.com.au to 'Compliance@environment.gov.au').</p>
Record-keeping			
51	<p>The proponent must:</p> <p>a. Maintain accurate records substantiating all activities associated with or relevant to these conditions of approval, including measures taken to implement a plan approved under these conditions; and</p> <p>b. Make those records available to the Department. Such records may be subject to audit by the Department or an independent auditor in accordance with Section 458 of the EPBC Act, or used to verify compliance with these conditions.</p>	Compliant	<p>All records are being kept within Australia Pacific LNG's document control system.</p>
Financial Assurance			
52	<p>The proponent must:</p> <p>a. Provide the Minister with a financial assurance in the amount and form required from time to time by the Minister for activities to which these conditions apply; and</p>	Noted	<p>No financial assurance has been requested by the Minister during the reporting period.</p>

Condition No.	Condition	Status	Compliance
	b. Review and maintain the amount of financial assurance based on proponent reporting on compliance with these conditions, and any auditing of the activities.		
53	The financial assurance is to remain in force until the Minister is satisfied that no claim is likely to be made on the assurance.		
Annual Environmental Return			
54	The proponent must produce an Annual Environmental Return which: <ul style="list-style-type: none"> a. Addresses compliance with these conditions; b. Records any unavoidable adverse impacts on MNES, mitigation measures applied to avoid adverse impacts on MNES; and any rehabilitation work undertaken in connection with any unavoidable adverse impact on MNES; c. Identifies all non-compliance with these conditions; and d. Identifies any amendments needed to plans to achieve compliance with these conditions. 	Compliant	This document, Annual Environmental Return, Gas Transmission Pipeline EPBC 2009/4976 (Q-1800-15-RP-2229), satisfies this condition.
55	The proponent must publish the Annual Environmental Return on its website within 20 calendar days of each anniversary date of this approval. In complying with this publication requirement, the proponent must ensure that it has obtained relevant rights in relation to confidentially and intellectual property rights of third parties.	Noted	This Annual Environmental Return will be published on the Project website.
Survey Data			
56	If requested by the Department, the proponent must provide all species and ecological survey data and related survey information from ecological surveys undertaken for MNES. The data must be collected and recorded to conform to data standards notified from time to time by the Department.	Noted	No requests for data were made during the reporting period.
Publication of Plans			

Condition No.	Condition	Status	Compliance
57	All plans approved by the Minister under these conditions must be published on the proponent's website within 30 business days of approval by the Minister.	Rectified Non-compliance	All plans approved during the reporting period by the Minister are published on the Project website (http://www.aplng.com.au/environment/management-plans) in accordance with this condition. The department was advised that in one instance the management plan (Narrows EMP Q-1802-15-MP-0017) was not uploaded with the 30 business day period.
58	The Department may request the proponent to publish on the internet a plan in a specified location or format and with specified accompanying text. The proponent must comply with any such request.	Noted	No such requests were made during the reporting period.
Dictionary			
59	In these conditions, unless the contrary is indicated: Bundled crossing means the dredging, trenching and other construction activities associated with the placement of multiple gas transmission pipelines across the Kangaroo Island Wetlands and the Narrows; Clearance of native vegetation means the cutting down, felling, thinning, logging, removing, killing, destroying, poisoning, ringbarking, uprooting or burning of native vegetation; Commencement means clearing of native vegetation that is a listed threatened species or community or that is habitat of listed threatened species or listed migratory species or pipeline construction (including trenching). Commencement does not include: a. Minor physical disturbance necessary to undertake pre-clearance surveys or establish monitoring programs or associated with the mobilization of the plant, equipment, materials, machinery and personnel prior to the start of pipeline development or construction;	Noted	No action required.

Condition No.	Condition	Status	Compliance
	<p>b. Activities that are critical to commencement that are associated with mobilisation of plant and equipment, materials, machinery and personnel prior to the start of the pipeline development or construction only if such activities will have no adverse impact on MNES, and only if the proponent has notified the Department in writing before an activity is undertaken.</p> <p>Department means the Australian Government department responsible for administering part 4 of the EPBC Act;</p> <p>EP Act means <i>Environmental Protection Act 1994</i> (Qld);</p> <p>EPBC Act means <i>Environment Protection and Biodiversity Conservation Act 1999</i>;</p> <p>Extra workspaces means the additional work area adjacent to and in addition to the ROW reasonably required for a specific purpose during pipeline construction.</p> <p>Minister means the Minister responsible for Part 4 of the EPBC Act and may include a delegate of the Minister under s 133 of the EPBC Act;</p> <p>MNES means matters of national environmental significance, being the relevant matters protected under Part 3 of the EPBC Act;</p> <p>Plan includes a protocol, report, study, plan or strategy;</p> <p>Proponent means the person to whom the approval is granted, and includes any person acting on behalf of the proponent;</p> <p>Referral means a referral under the EPBC Act including any variation of the referral'</p> <p>ROW means the pipeline right of way where any disturbance or construction is to be restricted to a corridor in which the pipelines may be placed. This corridor includes the area required for related activities such as access tracks;</p> <p>SDPWO Act means the <i>State Development and Public Works</i></p>		

Condition No.	Condition	Status	Compliance
	<p><i>Organisation Act 1971 (Qld);</i></p> <p>Substantial commencement means delivery of coal seam gas through the pipeline.</p>		
60	<p>Unless the contrary is indicated, words in these conditions have the same meaning as in:</p> <ul style="list-style-type: none"> a. EPBC Act; and b. EP Act. 	Noted	No action required.
61	<p>Unless the contrary is indicated, in these conditions:</p> <ul style="list-style-type: none"> a. Words in singular number include the plural and words in the plural include the singular; and b. Condition headings and notes inserted for convenient reference only and have no effect in limiting or extending the language of condition to which they refer. 	Noted	No action required.

3. Reconciliation of Disturbance Limits

Condition 11(a) allows for maximum disturbance limits for unavoidable impacts upon listed threatened communities and potential habitat for listed threatened species and migratory species as a result of the construction, operation and decommissioning.

Condition 11(b) requires that the proponent prepare a reconciliation statement identifying the impacts against the agreed disturbance limits.

Please refer to Table 4 for a statement of clearing impacts during the reporting period.

Table 4: Clearing Impacts Reconciliation Statement

Table 1: EPBC Listed threatened ecological communities			
Ecological community	EPBC Status	Approved Disturbance Limit (ha)	Clearing Impact (total to date) (ha)
Brigalow (<i>Acacia harpophylla</i> dominant and co-dominant)	Endangered	5.41	0.99
Semi-evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions	Endangered	0.26	0
Species	EPBC Status	Disturbance Limit (ha)	
<i>Cycas megacarpa</i> (Large-fruited Zamia)	Endangered	470 individuals ¹	351
<i>Cadellia pentastylis</i> (Ooline)	Vulnerable	10 individuals	0
<i>Xeromys myoides</i> (Water Mouse)	Vulnerable	15.6	2.36

¹ The disturbance limit has been subject of an approved variation.