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**NorthLinkWA**  
Perth-Darwin National Highway

# Compliance Assessment Report

Perth–Darwin National Highway (Swan Valley Section)

DECEMBER 2018



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Document Control					
Revision	Date	Description	Prepared	Reviewed	Approved
A	21/11/2018	Draft for MRWA review (ELA v1)	N. McAlinden	J. Longstaff D. Morley	J. Longstaff
0	11/12/2018	Final for submission	N. McAlinden	J. Longstaff	J. Longstaff

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# 1 INTRODUCTION

This report has been prepared to document compliance with Ministerial Statement No. 1036 (MS 1036) issued for implementation of the Perth-Darwin National Highway (Swan Valley Section), under the *Environmental Protection Act 1986*.

## 1.1 Project Background

The Commissioner for Main Roads Western Australia (MRWA) is the proponent for the Perth-Darwin National Highway (Swan Valley Section) (Figure 1.1). The proposal is to construct and operate a dual carriageway highway from the intersection of Tonkin Highway and Reid Highway in Malaga that connects with the Great Northern Highway and Brand Highway in Muchea. The project is being constructed in stages – namely the Central and Northern sections.

The Central section involves construction south of Maralla Road (approximately 17.5 km) and the Northern section involves construction from Maralla Road north (approximately 20.5 km). Construction on these main sections commenced in May and September 2017. It is noted that a small area of construction occurred near Maralla Road in March 2017, as a separate activity to the Central and Northern sections.

The project was granted approval to be implemented, subject to a number of conditions, under the *Environmental Protection Act 1986* (EP Act) on 23 September 2016. Since this time, there have been two changes as follows:


1. On 24 November 2016, a s46 clerical mistake/unintentional error change was made in regard to Condition 12-3 such that the Fauna-Construction-Condition Environmental Management Plan shall include management actions rather than threshold contingency actions.
2. On 7 June 2017, a s45C change to the proposal was made, specifically:
  - a) Alteration of development envelope to allow for the construction of additional minor roads and driveways.
  - b) Increase in the development envelope of 19.07 ha from 985 ha to 1,004.07 ha.
  - c) Up to 0.34 ha of native vegetation will be cleared in the additional areas of the development envelope.
3. On 7 November 2017, a change to conditions 16 to 20 was approved under s46C.

A further amendment under s46C was requested by MRWA in July 2018 to remove reference to Claypans of the Swan Coastal Plain; however, this is yet to be determined.

This Compliance Assessment Report (CAR) incorporates the findings of an independent audit (Umwelt, 2018a) undertaken by Umwelt for compliance with the requirements of the Condition Environmental Management Plans. This independent audit included:

- Interviews with Main Roads Western Australia and the construction contractors responsible for implementing the Central and Northern sections of the proposal.
- Review of shapefiles.
- Site inspections.



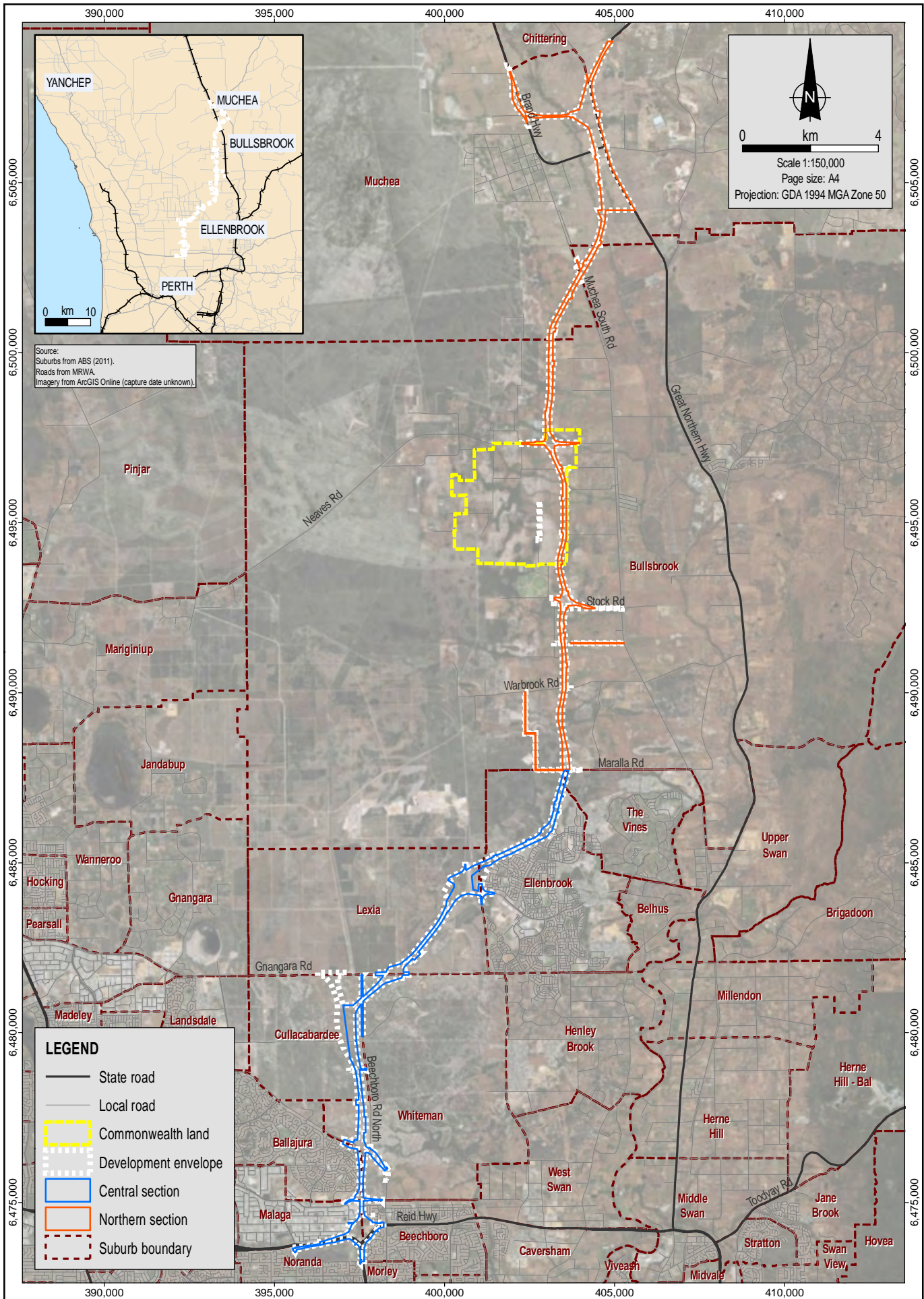


This CAR documents compliance with conditions in MS 1036 for the period 20 September 2017 to 19 September 2018, in accordance with Condition 4-6 which states:

*The proponent shall submit to the CEO the first Compliance Assessment Report fifteen (15) months from the date of issue of this Statement addressing the twelve (12) month period from the date of issue of this Statement and then annually from the date of submission of the first Compliance Assessment Report, or as otherwise agreed in writing by the CEO.*

*The Compliance Assessment Report shall:*

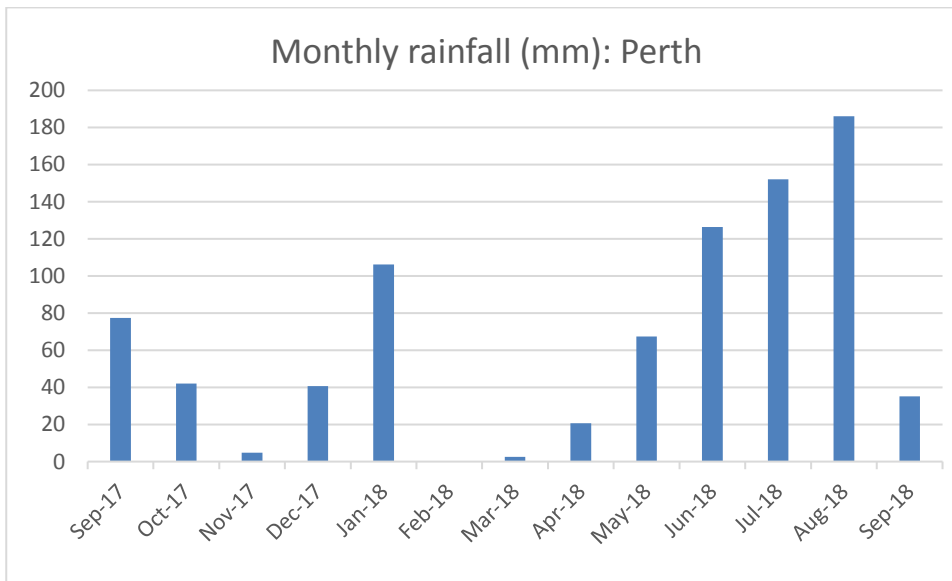
- (1) be endorsed by the proponent's Chief Executive Office or a person delegated to sign on the Chief Executive Officer's behalf;*
- (2) include a statement as to whether the proponent has complied with the conditions;*
- (3) identify potential non-compliances and describe corrective and preventative actions taken;*
- (4) be made publicly available in accordance with the approved Compliance Assessment Plan; and indicate any proposed changes to the Compliance Assessment Plan required by condition 4-1.*



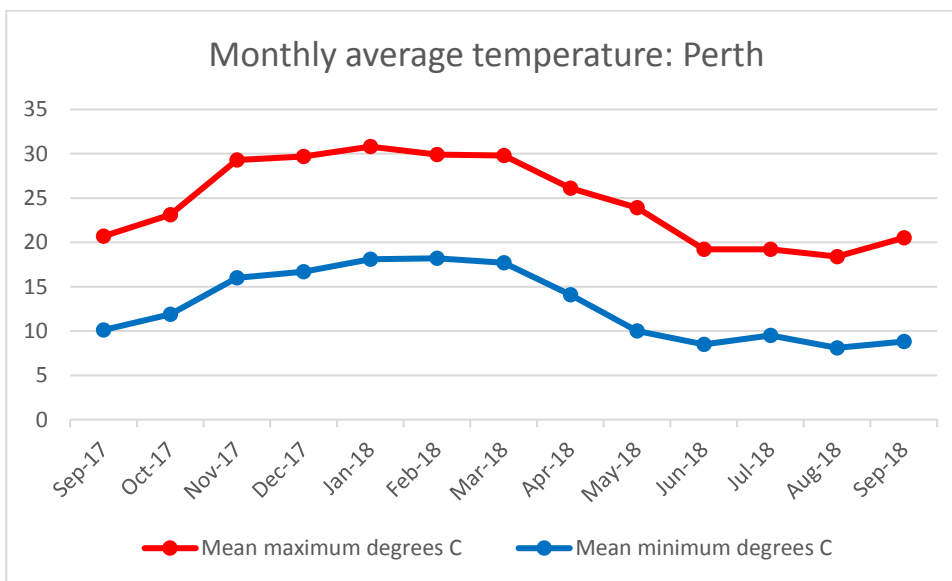
## 1.2 Climate and Rainfall

Monthly rainfall and temperature data for the reporting period (September 2017 to September 2018) was obtained from the Bureau of Meteorology weather stations located at Pearce RAAF (weather station 9053) and Perth (combined Perth Airport and Mount Lawley).

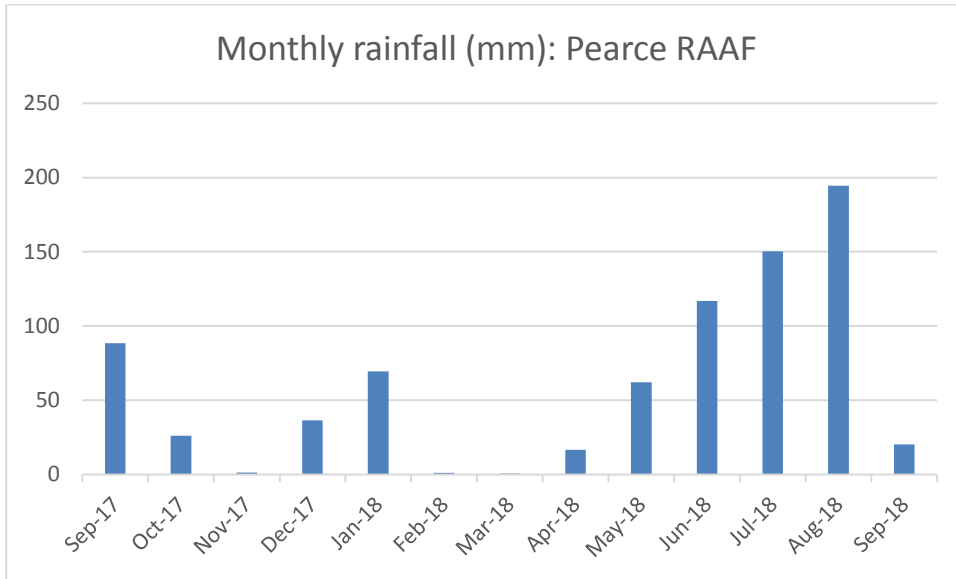
Above average rainfall was recorded for Pearce RAAF, with a total of 785 mm in contrast to the all years mean of 654.6 mm. Similarly, Perth recorded a total of 861.4 mm, in contrast to the all years mean of 732.8 mm (BoM, 2018). Rainfall and temperature data are shown in Figures 1.2 to 1.5.



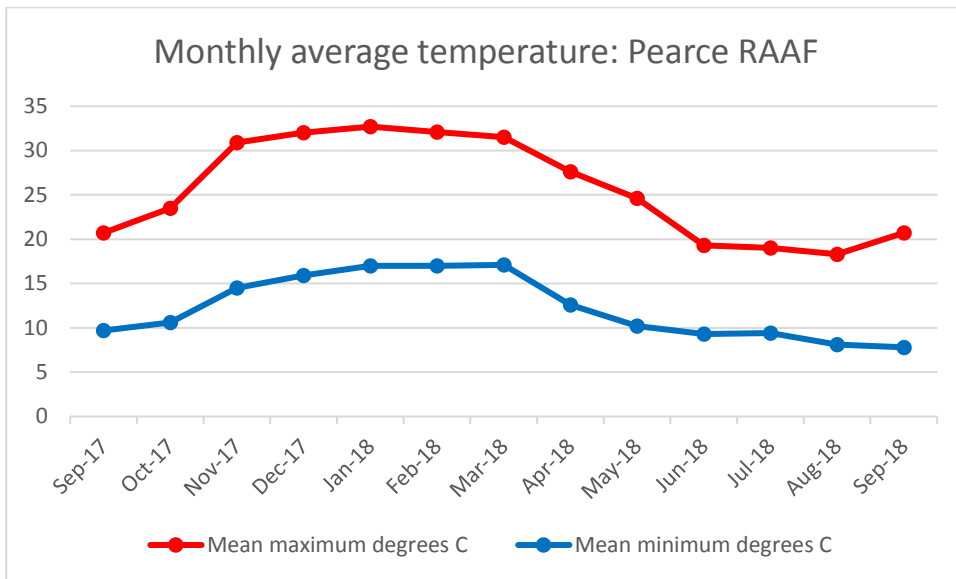
**Figure 1.2** Monthly rainfall recorded at Perth for the reporting period (BoM, 2018)



**Figure 1.3** Monthly average temperatures recorded at Perth for the reporting period (BoM 2018)



**Figure 1.4** Monthly rainfall recorded at Pearce RAAF for the reporting period (BoM 2018)



**Figure 1.5** Monthly average temperatures recorded at Pearce RAAF for the reporting period (BoM 2018)





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## 2 SUMMARY OF PROPOSAL'S IMPLEMENTATION STATUS

MRWA has commenced implementation of the proposal. The proposal is in the construction phase, with several stages of construction having been completed or underway (i.e. Maralla Road activity, Central section and Northern section). The 2017 CAR (Coffey, 2017) reported that the project had substantially commenced. The construction phase is expected to be completed by the end of 2019, when the proposal will move into the operational phase.



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### 3 STATEMENT OF COMPLIANCE

The Statement of Compliance form is provided in the following pages.



## Statement of Compliance

### 1 Proposal and Proponent Details

Proposal Title	<i>Perth to Darwin National Highway (Swan Valley Section)</i>
Statement Number	<i>Ministerial Statement No. 1036 r</i>
Proponent Name	<i>Commissioner for Main Roads Western Australia</i>
Proponent's Australian Company Number (where relevant)	860 676 021

### 2 Statement of Compliance Details

Reporting Period	<i>20/09/17 to 19/09/18</i>
------------------	-----------------------------

Implementation phase(s) during reporting period (please tick ✓ relevant phase(s))							
Pre-construction	<input type="checkbox"/>	Construction	<input checked="" type="checkbox"/>	Operation	<input type="checkbox"/>	Decommissioning	<input type="checkbox"/>

Audit Table for Statement addressed in this Statement of Compliance is provided at Attachment:	Appendix B of CAR
<p>An audit table for the Statement addressed in this Statement of Compliance must be provided as Attachment 2 to this Statement of Compliance. The audit table must be prepared and maintained in accordance with the Department of Water and Environmental Regulation (DWER) <i>Post Assessment Guideline for Preparing an Audit Table</i>, as amended from time to time. The 'Status Column' of the audit table must accurately describe the compliance status of each implementation condition and/or procedure for the reporting period of this Statement of Compliance. The terms that may be used by the proponent in the 'Status Column' of the audit table are limited to the Compliance Status Terms listed and defined in Table 1 of Attachment 1.</p>	

Were all implementation conditions and/or procedures of the Statement complied with within the reporting period? (please tick ✓ the appropriate box)		
No (please proceed to Section 3)	<input checked="" type="checkbox"/>	Yes (please proceed to Section 4)

Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance.

INITIALS: *HA*





### 3 Details of Non-compliance(s) and/or Potential Non-compliance(s)

The information required in Section 3 must be provided for each non-compliance or potential non-compliance identified during the reporting period covered by this Statement of Compliance.

#### Non-compliance/potential non-compliance 3-1

Which implementation condition or procedure was non-compliant or potentially non-compliant?
Condition 10-1
Was the implementation condition or procedure non-compliant or potentially non-compliant?
Potentially non-compliant.
On what date(s) did the non-compliance or potential non-compliance occur (if applicable)?
April and July 2018

Was this non-compliance or potential non-compliance reported to the Chief Executive Officer, DWER?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Reported to DWER verbally <input checked="" type="checkbox"/> Reported to DWER in writing         Date _____ Date 19 July & 2 August 2018	<input type="checkbox"/> No
What are the details of the non-compliance or potential non-compliance and where relevant, the extent of and impacts associated with the non-compliance or potential non-compliance?	
The potential non-compliances relate to threshold exceedances of dust deposition more than 10 m from the new edge of native vegetation adjacent to Communities of tumulus Springs (Organic Mound Springs, Swan Coastal Plain), Claypans of the Swan Coastal Plain and Conservation Category Wetlands; and more than 10 m from the new edge of native vegetation in areas of <i>Caladenia huegelii</i> habitat.	
What is the precise location where the non-compliance or potential non-compliance occurred (if applicable)? (please provide this information as a map or GIS co-ordinates)	
Multiple transects across project alignment.	
What was the cause(s) of the non-compliance or potential non-compliance?	
Dust levels recorded in transects in exceedance of thresholds.	
What remedial and/or corrective action(s), if any, were taken or are proposed to be taken in response to the non-compliance or potential non-compliance?	
Dust impacts and distance to vegetation were mapped and disseminated to relevant personnel for awareness and to inform dust suppression via water carts at these locations or to include other measures such as street sweepers on sealed carriageways and to reduce speed limits.	
What measures, if any, were in place to prevent the non-compliance or potential non-compliance before it occurred? What, if any, amendments have been made to those measures to prevent re-occurrence?	
The Flora and Vegetation Indirect Impacts Construction Environment Management Plan. This CEMP is currently under review.	
Please provide information/documentation collected and recorded in relation to this implementation condition or procedure:	
<ul style="list-style-type: none"> <li>• in the reporting period addressed in this Statement of Compliance; and</li> <li>• as outlined in the approved Compliance Assessment Plan for the Statement addressed in this Statement of Compliance.</li> </ul> (the above information may be provided as an attachment to this Statement of Compliance)	

Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance.

INITIALS: *RLH*





### 3 Details of Non-compliance(s) and/or Potential Non-compliance(s)

The information required Section 3 must be provided for each non-compliance or potential non-compliance identified during the reporting period covered by this Statement of Compliance.

#### Non-compliance/potential non-compliance 3-2

Which implementation condition or procedure was non-compliant or potentially non-compliant?	
Condition 13-9	
Was the implementation condition or procedure non-compliant or potentially non-compliant?	
Non-compliant.	
On what date(s) did the non-compliance or potential non-compliance occur (if applicable)?	
August 2018	
Was this non-compliance or potential non-compliance reported to the Chief Executive Officer, DWER?	
<input type="checkbox"/> Yes <input type="checkbox"/> Reported to DWER verbally <input type="checkbox"/> Reported to DWER in writing	<input checked="" type="checkbox"/> No Date _____ Date _____
What are the details of the non-compliance or potential non-compliance and where relevant, the extent of and impacts associated with the non-compliance or potential non-compliance?	
The non-compliance relates to several small containers of chemicals and jerry cans stored in an unbunded area within the GUWPCA. This does not meet the requirement for fuels and chemicals to be stored in banded areas.	
What is the precise location where the non-compliance or potential non-compliance occurred (if applicable)? (please provide this information as a map or GIS co-ordinates)	
Chemicals were identified near Gaskill Avenue (north).	
What was the cause(s) of the non-compliance or potential non-compliance?	
Storage of chemicals in unbanded areas.	
What remedial and/or corrective action(s), if any, were taken or are proposed to be taken in response to the non-compliance or potential non-compliance?	
Chemicals were removed to a banded location or disposed of.	
What measures, if any, were in place to prevent the non-compliance or potential non-compliance before it occurred? What, if any, amendments have been made to those measures to prevent re-occurrence?	
Inland Waters Hydrological Processes CEMP	
Please provide information/documentation collected and recorded in relation to this implementation condition or procedure:	
<ul style="list-style-type: none"> <li>• in the reporting period addressed in this Statement of Compliance; and</li> <li>• as outlined in the approved Compliance Assessment Plan for the Statement addressed in this Statement of Compliance.</li> </ul> (the above information may be provided as an attachment to this Statement of Compliance)	

Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance.

INITIALS: *KL*





**4 Proponent Declaration**

I, ...Rob Arnott... (Senior Project Director), (full name and position title)  
declare that I am authorised on behalf of .....Commissioner Man Road.....  
(being the person responsible for the proposal) to submit this form and that the information contained  
in this form is true and not misleading.

Signature: [Handwritten Signature] Date: 12/12/2018

Please note that:

- it is an offence under section 112 of the *Environmental Protection Act 1986* for a person to give or cause to be given information that to his knowledge is false or misleading in a material particular; and
- the Chief Executive Officer of the DWER has powers under section 47(2) of the *Environmental Protection Act 1986* to require reports and information about implementation of the proposal to which the statement relates and compliance with the implementation conditions.

**5 Submission of Statement of Compliance**

One hard copy and one electronic copy (preferably PDF on CD or thumb drive) of the Statement of Compliance are required to be submitted to the Chief Executive Officer, DWER, marked to the attention of Manager, Compliance (Ministerial Statements).

Please note, the DWER has adopted a procedure of providing written acknowledgment of receipt of all Statements of Compliance submitted by the proponent, however, the DWER does not approve Statements of Compliance.

**6 Contact Information**

Queries regarding Statements of Compliance, or other issues of compliance relevant to a Statement may be directed to Compliance (Ministerial Statements), DWER:

**Manager, Compliance (Ministerial Statements)**

**Department of Water and Environmental Regulation**

Postal Address: Locked Bag 33  
Cloisters Square  
PERTH WA 6850

Phone: (08) 6364 7000

Email: [compliance@dwer.wa.gov.au](mailto:compliance@dwer.wa.gov.au)

**7 Post Assessment Guidelines and Forms**

Post assessment documents can be found at [www.epa.wa.gov.au](http://www.epa.wa.gov.au)

Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance.

INITIALS: [Handwritten Initials]

## ATTACHMENT 1

Table 1 Compliance Status Terms

Compliance Status Terms	Abbrev	Definition	Notes
Compliant	C	Implementation of the proposal has been carried out in accordance with the requirements of the audit element.	This term applies to audit elements with: <ul style="list-style-type: none"> <li>• ongoing requirements that have been met during the reporting period; and</li> <li>• requirements with a finite period of application that have been met during the reporting period, but whose status has not yet been classified as 'completed'.</li> </ul>
Completed	CLD	A requirement with a finite period of application has been satisfactorily completed.	This term may only be used where: <ul style="list-style-type: none"> <li>• audit elements have a finite period of application (e.g. construction activities, development of a document);</li> <li>• the action has been satisfactorily completed; and</li> <li>• the DWER has provided written acceptance of 'completed' status for the audit element.</li> </ul>
Not required at this stage	NR	The requirements of the audit element were not triggered during the reporting period.	This should be consistent with the 'Phase' column of the audit table.
Potentially Non-compliant	PNC	Possible or likely failure to meet the requirements of the audit element.	This term may apply where during the reporting period the proponent has identified a potential non-compliance and has not yet finalized its investigations to determine whether non-compliance has occurred.
Non-compliant	NC	Implementation of the proposal has not been carried out in accordance with the requirements of the audit element.	This term applies where the requirements of the audit element are not "complete" have not been met during the reporting period.
In Process	IP	Where an audit element requires a management or monitoring plan be submitted to the DWER or another government agency for approval, that submission has been made and no further information or changes have been requested by the DWER or the other government agency and assessment by the DWER or other government agency for approval is still pending.	<p><b>The term 'In Process' may not be used for any purpose other than that stated in the Definition Column.</b></p> <p>The term 'In Process' may not be used to describe the compliance status of an implementation condition and/or procedure that requires implementation throughout the life of the project (e.g. implementation of a management plan).</p>

Each page (including Attachment 2) must be initialed by the person who signs Section 4 of this Statement of Compliance.

INITIALS: na





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## 4 DETAILS OF DECLARED COMPLIANCE STATUS

### 4.1 Summary of Compliance

A summary of compliance with conditions of MS 1036 is outlined in Table 4.1 on the following pages. A total of 14 non-compliances and 8 potential non-compliances were identified against the CEMPs. The highest number of non-compliances by contractors related to the 'Flora and Vegetation Construction CEMP' and the 'Flora and Vegetation Indirect Impacts CEMP' (as outlined in Section 3).



**Table 4.1 Summary of compliance with conditions of MS 1036**

Audit code	Subject	Requirement	Status	Further information
MS1036: M1.1	Proposal Implementation	When implementing the proposal, the proponent shall not exceed the authorised extent of the proposal as defined in Table 2 in Schedule 1, unless amendments to the proposal and the authorised extent of the proposal have been approved under the EP Act.	Compliant	Clearing extents are within the authorised extents approved under s45C change to proposal, 7 June 2017.  Appendix A
MS1036: M2.1	Contact Details	The proponent shall notify the CEO of any change of its name, physical address or postal address for the serving of notices or other correspondence within twenty eight (28) days of such change. Where the proponent is a corporation or an association of persons, whether incorporated or not, the postal address is that of the principal place of business or of the principal office in the State.	Not required at this stage	Interview and review of website contact details indicated no changes have occurred during the reporting period.
MS1036: M3.1	Time Limit for Proposal Implementation	The proponent shall not commence implementation of the proposal after five (5) years from the date on this Statement, and any commencement, prior to this date, must be substantial.	Completed	Ground disturbance associated with the proposal commenced on 31 March 2017, prior to 20 September 2021. Reported in the 2017 CAR (Coffey 2017a).
MS1036: M3.2	Time Limit for Proposal Implementation	Any commencement of implementation of the proposal, on or before five (5) years from the date of this Statement, must be demonstrated as substantial by providing the CEO with written evidence, on or before the expiration of five (5) years from the date of this Statement.	Completed	Ground disturbance commenced on 31 March 2017, as reported in the 2017 CAR (Coffey 2017a).
MS1036: M4.1	Compliance Reporting	The proponent shall prepare, submit and maintain a Compliance Assessment Plan to the CEO at least six (6) months prior to the first Compliance Assessment Report required by condition 4-6, or prior to implementation, whichever is sooner.	Completed	The Plan was submitted in October 2016 and the first CAR was submitted in 2017 (Coffey 2017a).
MS1036: M4.2	Compliance Reporting	The Compliance Assessment Plan shall indicate:  (1) The frequency of compliance reporting.  (2) The approach and timing of compliance assessments.	Completed	CAP was approved by OEPA and reported in 2017 CAR (Coffey 2017a).

Audit code	Subject	Requirement	Status	Further information
		(3) The retention of compliance assessments. (4) The method of reporting of potential non-compliances and corrective actions taken. (5) The table of contents of Compliance Assessment Reports. (6) Public availability of Compliance Assessment Reports.		
MS1036: M4.3	Compliance Reporting	After receiving notice in writing from the CEO that the Compliance Assessment Plan satisfies the requirements of condition 4-2 the proponent shall assess compliance with conditions in accordance with the Compliance Assessment Plan required by condition 4-1.	Compliant	This CAR is the second CAR. The first is kept as a record on the website.
MS1036: M4.4	Compliance Reporting	The proponent shall retain reports of all compliance assessments described in the Compliance Assessment Plan required by condition 4-1 and shall make those reports available when requested by the CEO.	Compliant	This CAR is the second CAR, the first is kept as a record on the website.
MS1036: M4.5	Compliance Reporting	The proponent shall advise the CEO of any potential non-compliance within seven (7) days of that non-compliance being known.	Compliant	The non-conformances and potential non-conformances with the CEMPs noted in this CAR were reported within the specified timeframe.
MS1036: M4.6	Compliance Reporting	The proponent shall submit to the CEO the first Compliance Assessment Report fifteen (15) months from the date of issue of this Statement addressing the twelve (12) month period from the date of issue of this Statement and then annually from the date of submission of the first Compliance Assessment Report, or as otherwise agreed in writing by the CEO.  The Compliance Assessment Report shall:  (1) Be endorsed by the proponent's Chief Executive Officer or a person delegated to sign on the Chief Executive Officer's behalf.	Compliant	This CAR is the second CAR and addresses the requirements of the condition, where required.  This CAR will be made publicly available on the Main Roads website, as has occurred for other documents, including the previous CAR.

Audit code	Subject	Requirement	Status	Further information
		(2) Include a statement as to whether the proponent has complied with the conditions. (3) Identify all potential non-compliances and describe corrective and preventative actions taken. (4) Be made publicly available in accordance with the approved Compliance Assessment Plan. (5) Indicate any proposed changes to the Compliance Assessment Plan required by condition 4-1.		
MS1036: M5.1	Public Availability of Plans and Reports	Subject to condition 5-2, within a reasonable time period approved by the CEO of the issue of this Statement and for the remainder of the life of the proposal the proponent shall make publicly available, in a manner approved by the CEO, all environmental plans and reports required under this Statement.	Compliant.	OEPA approved public availability of documents being via Main Roads website, as reported in the 2017 CAR (Coffey 2017a).  Website available at: <a href="https://project.mainroads.wa.gov.au/northlinkwa/Community%20Environment/Pages/Environment%20Assessment.aspx">https://project.mainroads.wa.gov.au/northlinkwa/Community%20Environment/Pages/Environment%20Assessment.aspx</a>  16 documents currently approved and all available on the website.
MS1036: M5.2	Public Availability of Plans and Reports	If any parts of the plans or reports, referred to in condition 5-1 contains particulars of: (1) A secret formula or process. (2) Confidential commercially sensitive information. (3) The location of threatened species or other important environmental assets that may be potentially harmed if their location was published.  The proponent may submit a request for approval from the CEO to not make these data publicly available. In making such a request the proponent shall provide the	Not required at this stage	No request has been made.

Audit code	Subject	Requirement	Status	Further information
		CEO with an explanation and reasons why those parts of the plans or reports should not be made publicly available.		
MS1036: M6.1	Infrastructure Plan	<p>The proponent shall demonstrate that the proposal is designed and constructed consistent with the authorised extent(s) as referred to in Table 2 in Schedule 1 in order to meet the following environmental objectives:</p> <ol style="list-style-type: none"> <li>(1) Minimise direct and indirect impacts to conservation significant terrestrial fauna.</li> <li>(2) Minimise impacts to hydrological regimes of surface water.</li> <li>(3) Minimise impacts to the quality of groundwater and surface water.</li> <li>(4) Minimise impacts to amenity as low as reasonable practicable.</li> </ol> <p>Through the implementation of conditions 6-2 to 6-5.</p>	Compliant	<p>OEPA approved the design documented in the Infrastructure Plan, as reported in the 2017 CAR (Coffey 2017a).</p> <p>Clearing is within the approved limits.</p> <p>Construction is not complete.</p> <p>Appendix A, D001, D002</p>
MS1036: M6.2	Infrastructure Plan	<p>The proponent shall prepare and submit a pre-construction Infrastructure Plan which is to be approved by the CEO prior to the commencement of ground disturbing activities.</p> <p>The pre-construction Infrastructure Plan shall include:</p> <ol style="list-style-type: none"> <li>(1) The alignment, dimensions and locations of the key proposal elements as referred to in Columns 1 and 2 of Table 2 in Schedule 1.</li> <li>(2) The dimensions and locations of fauna underpasses and fauna fencing as referred to in Columns 1 and 2 of Table 2 in Schedule 1. Fauna underpass dimensions and locations should be consistent with the approved Fauna – Construction – Condition Environmental Management Plan as required by condition 12.</li> <li>(3) The design and locations of culverts and bridges as referred to in Columns 1 and 2 of Table 2 in Schedule 1.</li> <li>(4) The design and location of bioretention swales and infiltration basins in the vicinity of Ellen Brook and within the GUWPCA, consistent with the approved</li> </ol>	Completed	<p>Infrastructure Plan was approved 15 March 2017. Ground disturbing activities commenced on 31 March 2017. Reported in 2017 CAR (Coffey 2017a).</p>

Audit code	Subject	Requirement	Status	Further information
		<p>Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan as required by condition 13.</p> <p>(5) The dimensions and locations of noise walls as referred to in Columns 1 and 2 of Table 2 in Schedule 1, consistent with the approved Amenity (Noise) – Condition Environmental Management Plan.</p> <p>(6) Spatial data for the proposal elements as detailed in 6-2(1), 6-2(2), 6-2(3), 6-2(4) and 6-2(5).</p>		
MS1036: M6.3	Infrastructure Plan	The proponent may review and revise the pre-construction Infrastructure Plan required by condition 6-2, or shall review and revise the pre-construction Infrastructure Plan required as and when directed by the CEO.	Not required at this stage	
MS1036: M6.4	Infrastructure Plan	The revised pre-construction Infrastructure Plan shall be the Infrastructure Plan used for implementing construction, following receipt in writing from the CEO that the revised pre-construction Infrastructure Plan satisfies the requirements set out in condition 6-2.	Not required at this stage	
MS1036: M6.5	Infrastructure Plan	<p>The proponent shall prepare and submit a post-construction Infrastructure Report to confirm that the key elements of the proposal as referred to in Columns 1 and 2 of Table 2 in Schedule 1 were constructed in accordance with the requirements of condition 6-2, within six (6) months following the completion of construction, or as otherwise agreed in writing by the CEO.</p> <p>The post-construction Infrastructure Report shall include:</p> <p>(1) The alignment, dimensions and locations of the key proposal elements as referred to in Columns 1 and 2 of Table 2 in Schedule 1.</p> <p>(2) The dimensions and locations of fauna underpasses and fauna fencing as referred to in Columns 1 and 2 of Table 2 in Schedule 1. Fauna underpass dimensions and locations should be consistent with the approved Fauna – Construction – Condition Environmental Management Plan as required by condition 12.</p>	Not required at this stage	Construction not complete.

Audit code	Subject	Requirement	Status	Further information
		<p>(3) The design and locations of culverts and bridges as referred to in Columns 1 and 2 of Table 2 in Schedule 1.</p> <p>(4) The design and location of bioretention swales and infiltration basins in the vicinity of Ellen Brook and within the GUWPCA, consistent with the approved Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan as required by condition 13.</p> <p>(5) The dimensions and locations of noise walls as referred to in Columns 1 and 2 of Table 2 in Schedule 1, consistent with the approved Amenity (Noise) – Condition Environmental Management Plan.</p> <p>(6) Spatial data for the proposal elements as detailed in 6-5(1), 6-5(2), 6-5(3), 6-5(4) and 6-5(5).</p>		
MS1036: M7.1	Condition Environmental Management Plans (management based)	Prior to the commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO, the proponent shall prepare and submit Condition Environmental Management Plans to the satisfaction of the CEO to demonstrate that the environmental objectives in conditions 9-1, 10-1, 11-1, 12-1 and 15-1 will be met.	Completed	Ground disturbing activities commenced on 31 March 2017.  The Plans were approved, as reported in 2017 CAR (Coffey 2017a).
MS1036: M7.2	Condition Environmental Management Plans (management based)	<p>The Condition Environmental Management Plans shall:</p> <p>(1) Prioritise risk-based management actions that will be implemented to meet the environmental management objectives in conditions 9-1, 10-1, 11-1, 12-1 and 15-1.</p> <p>(2) Specify measurable management targets for determining the efficacy of the risk-based management actions.</p> <p>(3) Specify monitoring to be conducted to measure the efficacy of management actions against management targets.</p> <p>(4) Specify, in the event that the management targets are not achieved a procedure for revision of management actions and changes to proposal activities. The</p>	Completed	OEPA approval of all Plans reported in 2017 CAR (Coffey 2017a).



Audit code	Subject	Requirement	Status	Further information
		<p>procedure shall include an investigation to determine the cause of the management targets being exceeded.</p> <p>(5) Provide the format and timing for annual reporting required by condition 4-6 for:</p> <p>(a) Verification of the implementation of management actions to demonstrate that conditions 9-1, 10-1, 11-1, 12-1 and 15-1 have been met for the reporting period.</p> <p>(b) Reporting on the efficacy of management actions against management targets.</p> <p>(6) Provide for reporting when management actions are not implemented.</p>		
MS1036: M7.3	Condition Environmental Management Plans (management based)	<p>After receiving notice in writing from the CEO that a Condition Environmental Management Plans satisfies the requirements of condition 7-2 for conditions 9-1, 10-1, 11-1, 12-1 and 15-1, the proponent shall prior to the commencement of ground disturbing activities:</p> <p>(1) Implement the provisions of the approved Condition Environmental Management Plans.</p> <p>(2) Continue to implement the approved Condition Environmental Management Plans until the CEO has confirmed by notice in writing that the proponent has met the relevant objectives specified in the approved Condition Environmental Management Plan and no longer needs to implement that particular Condition Environmental Management Plan.</p>	Compliant	<p>The management actions associated with Plans required by Conditions 9-1, 10-1, 11-1, 12-1 and 15-1 were implemented prior to the commencement of ground disturbing activities and the plans continue to be implemented.</p> <p>CEO has not confirmed that any plans no longer need to be implemented.</p>

Audit code	Subject	Requirement	Status	Further information
MS1036: M7.4	Condition Environmental Management Plans (management based)	<p>In the event that monitoring, tests, surveys or investigations indicate that management actions specified in a Condition Environmental Management Plan are not implemented or that management targets specified in a Condition Environmental Management Plans are exceeded, the proponent shall:</p> <ol style="list-style-type: none"> <li>(1) Report the exceedance or failure to implement management actions in writing within 7 days of identification.</li> <li>(2) Investigate to determine the cause of the management actions not being implemented and/or management targets being exceeded.</li> <li>(3) Investigate to provide information for the determination by the CEO of potential environmental harm or alteration of the environment that occurred due to the failure to implement management actions.</li> <li>(4) Provide a report to the CEO within 60 days of the reporting required by condition 7-4(1). The report shall include:               <ol style="list-style-type: none"> <li>(a) Cause for failure to implement management actions and/or management targets exceeded.</li> <li>(b) The findings of the investigation required by conditions 7-4(2) and 7-4(3).</li> <li>(c) Details of revised and/or additional management actions to be implemented to prevent exceedance of the management targets and/or ensure implementation of management actions.</li> <li>(d) Relevant changes to proposal activities.</li> <li>(e) Measures to prevent, control or abate the environmental harm which may have occurred.</li> </ol> </li> </ol>	Compliant	Non-conformances and potential non-conformances were reported within 7 days of being identified.
MS1036: M7.5	Condition Environmental Management Plans	The proponent may review and revise the Condition Environmental Management Plans, or as otherwise specified by the CEO.	Compliant	R001

Audit code	Subject	Requirement	Status	Further information
	(management based)			
MS1036: M7.6	Condition Environmental Management Plans (management based)	The proponent shall implement the latest revision of the Condition Environmental Management Plan, which the CEO has confirmed by notice in writing, satisfies the requirements of condition 7-2.	Compliant	The Proponent continues to implement the approved plans. Review of the approved CEMPs commenced in June 2018.
MS1036: M8.1	Condition Environmental Management Plans (outcome based)	Prior to the commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO, the proponent shall prepare and submit Condition Environmental Management Plan(s) to the satisfaction of the CEO to demonstrate that the environmental outcomes in conditions 13-1 and 14-1 will be met.	Completed	Ground disturbing activities commenced on 31 March 2017.  The Plans were approved on 15/03/2017 as reported in the 2017 CAR (Coffey 2017).
MS1036: M8.2	Condition Environmental Management Plans (outcome based)	<p>The Condition Environmental Management Plan(s) shall:</p> <ol style="list-style-type: none"> <li>(1) Specify trigger criteria that will trigger the implementation of trigger level actions if exceeded.</li> <li>(2) Specify threshold criteria that:               <ol style="list-style-type: none"> <li>(a) Provides a limit beyond which the environmental outcomes identified in conditions 13-1 and 14-1 are not achieved.</li> <li>(b) Will trigger the implementation of threshold contingency actions if exceeded.</li> </ol> </li> <li>(3) Specify monitoring to determine if trigger criteria and threshold criteria are exceeded.</li> <li>(4) Specify trigger level actions to be implemented in the event that trigger criteria have been exceeded.</li> </ol>	Completed	OEPA approval of Plans, as reported in 2017 CAR (Coffey 2017a).

Audit code	Subject	Requirement	Status	Further information
		<p>(5) Specify threshold contingency actions to be implemented in the event that threshold criteria are exceeded.</p> <p>(6) Provide the format and timing for the reporting of monitoring results against trigger criteria and threshold criteria to demonstrate that conditions 13-1 and 14-1 have been met over the reporting period in the Compliance Assessment Report required by condition 4.</p> <p>(7) Provide for reporting of exceedances of the trigger and threshold criteria.</p>		
MS1036: M8.3	Condition Environmental Management Plans (outcome based)	<p>After receiving notice in writing from the CEO that the Condition Environmental Management Plan(s) satisfies the requirements of condition 8-2 for conditions 13-1 and 14-1, the proponent shall prior to the commencement of ground disturbing activities:</p> <p>(1) Implement the provisions of the Condition Environmental Management Plans.</p> <p>(2) Continue to implement the Condition Environmental Management Plans until the CEO has confirmed by notice in writing that the proponent has met the relevant objectives specified in the approved Condition Environmental Management Plan and no longer needs to implement that particular Condition Environmental Management Plan.</p>	Compliant	<p>The approved plans were implemented prior to the commencement of ground disturbing activities and the plans continue to be implemented.</p> <p>The CEO has not indicated the plans no longer need to be implemented.</p>
MS1036: M8.4	Condition Environmental Management Plans (outcome based)	<p>In the event that monitoring indicates exceedance of trigger criteria and/or threshold criteria specified in the Condition Environmental Management Plans, the proponent shall:</p> <p>(1) Report the exceedance in writing within 7 days of the exceedance being identified.</p> <p>(2) Immediately implement the trigger level actions and/or threshold contingency actions specified in the Condition Environmental Management Plans and continue implementation of those actions until the trigger criteria are being met, or until the CEO has confirmed by notice in writing that it has been demonstrated that the environmental outcomes in conditions 13-1 and 14-1</p>	Compliant	<p>Exceedances of trigger and threshold criteria were reported within 7 days of the exceedance being identified.</p> <p>Investigation reports were submitted to the CEO within the 60 day reporting timeline.</p> <p>C001 to C094</p>

Audit code	Subject	Requirement	Status	Further information
		<p>are being met and implementation of the trigger level actions and/or threshold contingency actions are no longer required.</p> <p>(3) Investigate to determine the cause of the trigger criteria and/or threshold criteria being exceeded.</p> <p>(4) Identify additional measures required to prevent the trigger and/or threshold criteria being exceeded in the future.</p> <p>(5) Investigate to determine potential environmental harm or alteration of the environment that occurred due to threshold criteria being exceeded.</p> <p>(6) Provide a report to the CEO within 60 days of the exceedance being reported. The report shall include:</p> <p>(a) Details of trigger level actions or threshold contingency actions implemented.</p> <p>(b) The effectiveness of the trigger level actions or threshold contingency actions implemented, monitored and measured against trigger criteria and threshold criteria.</p> <p>(c) The findings of the investigations required by condition 8-4(3) and 8-4(5).</p> <p>(d) Additional measures to prevent the trigger or threshold criteria being exceeded in the future.</p> <p>(e) Measures to prevent, control or abate the environmental harm which may have occurred.</p>		
MS1036: M8.5	Condition Environmental Management Plans (outcome based)	<p>The proponent:</p> <p>(1) May review and revise the Condition Environmental Management Plans.</p> <p>(2) Shall review and revise the Condition Environmental Management Plans as and when directed by the CEO.</p>	Compliant	

Audit code	Subject	Requirement	Status	Further information
MS1036: M8.6	Condition Environmental Management Plans (outcome based)	The proponent shall implement the latest revision of the Condition Environmental Management Plan(s), which the CEO has confirmed by notice in writing, satisfies the requirements of condition 8-2.	Compliant	Revised CEMPs will be implemented once approved in writing by the CEO.
MS1036: M9.1	Flora and Vegetation – Construction – Condition Environmental Management Plan	The proponent shall manage the construction of the proposal to meet the following environmental objectives: <ul style="list-style-type: none"> <li>(1) To ensure that <i>Phytophthora cinnamomi</i> is not introduced into disease free areas by construction activities during construction.</li> <li>(2) To ensure that impacts to flora and vegetation from dust are minimised as far as practicable during construction.</li> <li>(3) To ensure that impacts to flora and vegetation from the introduction or spread of weeds are minimised as far as practicable during construction.</li> </ul> Through implementation of the Flora and Vegetation – Construction – Condition Environmental Management Plan approved by the CEO.	Satisfactory to date	Of the 27 actions in the Plan, 3 were potentially non-conforming (Table 4.3) and 2 were non-conforming.  Incident registers did not identify any incidents relating to <i>Phytophthora cinnamomi</i> , dust or weeds.
MS1036: M9.2	Flora and Vegetation – Construction – Condition Environmental Management Plan	The proponent shall prepare the Flora and Vegetation – Construction – Condition Environmental Management Plan required by condition 7-1 on advice of the Department of Parks and Wildlife.	Compliant	
MS1036: M9.3	Flora and Vegetation – Construction – Condition Environmental	For the purpose of establishing management targets as required by condition 7-2(2), if adequate site specific <i>Phytophthora cinnamomi</i> and weed mapping is not available the proponent shall undertake baseline surveys prior to ground disturbing activities, or as agreed by the CEO.	Completed	OEPA considered conditions 9-3 to 9-5 not applicable.  Public Environmental Review document (NLWA-03-EN-RP-0025) included baseline mapping for



Audit code	Subject	Requirement	Status	Further information
	Management Plan			<i>Phytophthora cinnamomi</i> and weeds.
MS1036: M9.4	Flora and Vegetation – Construction – Condition Environmental Management Plan	<p>In the event baseline surveys are required, prior to the commencement of ground disturbing activities the proponent shall prepare in consultation with the Department of Parks and Wildlife, and submit a Baseline Survey Plan(s) to the CEO. The Baseline Survey Plan(s) shall:</p> <ol style="list-style-type: none"> <li>(1) When implemented, determine the baseline state of areas identified in condition 9-4(3) so that ongoing monitoring can determine that conditions 9-1(1) and 9-1(3) are being met.</li> <li>(2) Detail the proposed methodology for the baseline surveys.</li> <li>(3) Identify and spatially define the proposed survey locations and reference/control sites and provide rationale for the location of the sites.</li> <li>(4) Include a description and map of the areas that are free from <i>Phytophthora cinnamomi</i>.</li> <li>(5) Include a description and map of the areas that are free from weeds and for those areas that contain weeds, provide the level of weed cover and type.</li> <li>(6) Detail the proposed frequency and timing for the baseline surveys.</li> </ol>	Completed	As for M9.3.
MS1036: M9.5	Flora and Vegetation – Construction – Condition Environmental Management Plan	<p>After receiving notice in writing from the CEO that the Baseline Survey Plan(s) satisfies the requirements of condition 9-4, the proponent shall undertake the baseline surveys in accordance with the requirements of the Baseline Survey Plan(s).</p> <p>On completion of the baseline surveys the proponent shall report to the CEO on the following:</p> <ol style="list-style-type: none"> <li>(1) Completion of the baseline surveys in accordance with the Baseline Survey Plan(s).</li> <li>(2) The results of the baseline surveys.</li> </ol>	Completed	As for M9.3.

Audit code	Subject	Requirement	Status	Further information
MS1036: M9.6	Flora and Vegetation – Construction – Condition Environmental Management Plan	The proponent shall undertake monitoring as required by condition 7-2(3) for a period of 3 years post construction in order to demonstrate that the environmental objectives for condition 9-1 has been met.	Not required at this stage	Construction not complete.
MS1036: M9.7	Flora and Vegetation – Construction – Condition Environmental Management Plan	In the event that monitoring required by condition 9-6 indicates that the environmental objectives for conditions 9-1 have not been met the proponent shall undertake the requirements of condition 7-4.	Not required at this stage	Construction not complete
MS1036: M9.8	Flora and Vegetation – Construction – Condition Environmental Management Plan	The proponent shall not undertake clearing or construct any laydown areas or stock piles within the 50 m buffer of <i>Caladenia huegelii</i> , as delineated in figure 2 of Schedule 1 and defined by geographic coordinates in Schedule 2.	Compliant	Inspections are conducted to check that the fencing is still in place and no clearing has occurred within the mapped 50 m buffer of <i>Caladenia huegelii</i> . R002
MS1036: M9.9	Flora and Vegetation – Construction – Condition Environmental Management Plan	The proponent shall not undertake clearing or construct any laydown areas or stock piles within the 10 m buffer, as delineated in figure 3 of Schedule 1 and defined by geographic coordinates in Schedule 2, of:  (1) <i>Grevillea curviloba subsp. incurva</i> .  (2) <i>Darwinia foetida</i> .	Compliant	Inspections confirmed no clearing or laydown/stockpile areas within the specified buffers and no evidence of disturbance to these areas. R002
MS1036: M10.1	Flora and Vegetation –	The proponent shall manage the implementation of the proposal to meet the following environmental objectives:	Potentially non-compliant	Of the 20 management actions in the Plan, 10 were conforming, 4

Audit code	Subject	Requirement	Status	Further information
	Indirect Impacts and Threatened Flora and Communities – Condition Environmental Management Plan	<p>(1) To ensure that indirect impacts, including but not limited to weeds, unauthorised access, increased fire risk and litter, changes to surface water regimes, to flora and vegetation, including but not limited to <i>Caladenia huegelii</i> habitat, <i>Grevillea curviloba</i> subsp. <i>incurva</i>, <i>Darwinia foetida</i>, Conservation Category Wetlands, Claypans of the Swan Coastal Plain and Communities of Tumulus Springs (Organic Mound Springs, Swan Coastal Plain) are minimised as far as practicable.</p> <p>(2) To maintain or improve the condition of the remaining extent of SCP 20a as shown in figure 4, through implementation of the Flora and Vegetation – Indirect Impacts and Threatened Flora and Communities – Condition Environmental Management Plan approved by the CEO.</p>		<p>are addressed elsewhere, 5 are not required at this stage and one is in process.</p> <p>Of the five management targets, three were non-conforming in relation to the following:</p> <p><u>Non-conformances</u></p> <ul style="list-style-type: none"> <li>Monitoring in April and July 2018 detected dust impacts more than 10 m from the new edge of native vegetation adjacent to Communities of tumulus Springs (Organic Mound Springs, Swan Coastal Plain), Claypans of the Swan Coastal Plain and Conservation Category Wetlands</li> <li>Monitoring in April and July 2018 detected dust impacts more than 10 m from the new edge of native vegetation in areas of <i>Caladenia huegelii</i> habitat.</li> <li>April 2018 monitoring reported dust and plant stress within SCP20a. Plant stress cannot be attributed to dust and further monitoring is required to</li> </ul>

Audit code	Subject	Requirement	Status	Further information
				determine the cause of senescence. R001
MS1036: M10.2	Flora and Vegetation – Indirect Impacts and Threatened Flora and Communities – Condition Environmental Management Plan	The proponent shall prepare the Flora and Vegetation – Indirect Impacts and Threatened Flora and Communities – Condition Environmental Management Plan required by condition 7-1 on advice of the Department of Parks and Wildlife.	Compliant	
MS1036: M11.1	Flora and Vegetation – Progressive Rehabilitation Condition Environmental Management Plan	<p>The proponent shall manage the implementation of the proposal to meet the following environmental objectives:</p> <p>(1) To progressively rehabilitate the areas of native vegetation cleared as a result of implementation of the proposal that are no longer required for construction activities or not required for ongoing operations.</p> <p>(2) To rehabilitate the section of Beechboro Road North from Jules Steiner Memorial Drive to Gnangara Road within twelve months of decommissioning this section of road.</p> <p>Through implementation of the Flora and Vegetation – Progressive Rehabilitation Condition Environmental Management Plan approved by the CEO.</p>	Satisfactory to date	<p>Rehabilitation activities have not yet commenced at Beechboro Road North, as it has not been decommissioned.</p> <p>It is understood that no other areas will be temporarily cleared and require rehabilitation.</p>
MS1036: M11.2	Flora and Vegetation – Progressive Rehabilitation Condition Environmental	The proponent shall identify and map areas to be rehabilitated as required by condition 11-1.	Completed	OEPA approval outlined condition has been met, as reported in 2017 CAR (Coffey 2017a).

Audit code	Subject	Requirement	Status	Further information
	Management Plan			
MS1036: M11.3	Flora and Vegetation – Progressive Rehabilitation Condition Environmental Management Plan	Those areas to be rehabilitated as identified in condition 11-2 shall not include areas required for ongoing operations including, but not limited to, drainage basins, road embankments and median strips.	Completed	As for M11.2.  The revegetation and landscaping plan only applies to Beechboro Road North and areas of native vegetation cleared for temporary project works and not part of the road reserve.
MS1036: M11.4	Flora and Vegetation – Progressive Rehabilitation Condition Environmental Management Plan	The proponent shall prepare the Flora and Vegetation – Progressive Rehabilitation Condition Environmental Management Plan required by condition 7-1 on advice of the Department of Parks and Wildlife.	Completed	As for M11.2.
MS1036: M11.5	Flora and Vegetation – Progressive Rehabilitation Condition Environmental Management Plan	The management targets as required by condition 7-2(2) must include rehabilitation completion criteria using locally native species.	Completed	As for M11.2.
MS1036: M11.6	Flora and Vegetation – Progressive Rehabilitation	The proponent shall not plant known species of foraging habitat for Black Cockatoos, including but not limited to, <i>Banksia spp.</i> , <i>Hakea spp.</i> , <i>Grevillea spp.</i> and <i>Eucalyptus spp.</i> within 10 m of the constructed road carriageway.	Not required at this stage.	Rehabilitation plan has been developed and Beechboro Road North rehabilitation is greater than 10 m from the road alignment.

Audit code	Subject	Requirement	Status	Further information
	Condition Environmental Management Plan			Rehabilitation at Beechboro Road North has not yet commenced.
MS1036: M12.1	Fauna – Construction – Condition Environmental Management Plan	<p>The proponent shall manage the construction of the proposal to meet the following environmental objective:</p> <p>(1) To ensure that impacts to conservation significant fauna are minimised as far as practicable during final design and construction of the proposal.</p> <p>Through implementation of the Fauna – Construction – Condition Environmental Management Plan, approved by the CEO.</p>	Compliant	R002
MS1036: M12.2	Fauna – Construction – Condition Environmental Management Plan	<p>The proponent shall prepare the Fauna – Construction – Condition Environmental Management Plan required by condition 7-1 on advice of the Department of Parks and Wildlife.</p>	Completed	OEPA approval stated this condition met, as reported in 2017 CAR (Coffey 2017a).
MS1036: M12.3	Fauna – Construction – Condition Environmental Management Plan	<p>The Fauna – Construction – Condition Environmental Management Plan shall include threshold contingency actions, including but not limited to:</p> <p>(1) Best practice design, including shape, size, furniture and sky lights of fauna underpasses.</p> <p>(2) Trapping and relocation of ground dwelling fauna prior to clearing;</p> <p>(3) Presence of fauna spotters during clearing.</p> <p>(4) Dispersal and relocation of fauna identified by fauna spotters as required by condition 12-3(3) during clearing.</p> <p>(5) Any trenching activities.</p> <p>(6) Ensuring that if clearing is to be undertaken, the proponent shall use an appropriately experienced Black Cockatoo expert to thoroughly inspect the area for</p>	Completed	OEPA approval stated this condition has been met as reported in 2017 CAR (Coffey 2017a).



Audit code	Subject	Requirement	Status	Further information
		Black Cockatoo breeding activity, in particular nesting, and if the area is found to be in use, clearing in the area shall be postponed until such time as determined suitable, on the advice of the Department of Parks and Wildlife.		
MS1036: M13.1	Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	<p>The proponent shall manage the construction and operation of the proposal to meet the following environmental outcome:</p> <ul style="list-style-type: none"> <li>(1) The construction and operation of the proposal shall not result in an unacceptable decline in water quality of the GUWPCA.</li> <li>(2) The construction and operation of the proposal shall not result in an unacceptable decline in water quality of the Ellen Brook as confirmed by monitoring for a period of 5 years post construction.</li> </ul> <p>Through implementation of the Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan approved by the CEO.</p>	Compliant	<p>Investigations to date indicate that exceedances are unlikely to be a result of implementation of the proposal.</p> <p>Audit conclusions based on implementation of monitoring, which has been undertaken monthly during construction.</p> <p>C001 to C094</p>
MS1036: M13.2	Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	The proponent shall prepare the Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan required by condition 8-1 on advice of the Department of Water.	Compliant	OEPA approval stated this condition has been met, as reported in 2017 CAR (Coffey 2017a).
MS1036: M13.3	Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental	For the purpose of establishing trigger criteria as required by condition 8-2(1), if adequate site specific water quality data is not available the proponent shall undertake baseline surveys prior to the commencement of ground disturbing activities in the GUWPCA and in the vicinity of Ellen Brook.	Completed	<p>Ground disturbing activities commenced on 31 March 2017.</p> <p>Baseline survey report provides data for December 2015 to May 2017 (Coffey 2017b).</p> <p>R003</p>

Audit code	Subject	Requirement	Status	Further information
	Management Plan			
MS1036: M13.4	Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	<p>In the event baseline surveys are required, the proponent shall prepare in consultation with the Department of Water, and submit a Baseline Survey Plan to the CEO. The Baseline Survey Plan shall:</p> <ol style="list-style-type: none"> <li>(1) When implemented, determine the baseline water quality within the GUWPCA and the Ellen Brook.</li> <li>(2) Detail the proposed methodology for the baseline surveys.</li> <li>(3) Identify and spatially define the proposed survey locations and reference/control sites and provide rationale for the location of the sites.</li> <li>(4) Detail the proposed frequency and timing for the baseline surveys.</li> </ol>	Completed.	OEPA approval stated conditions 13-4, 13-4(2), 13-4(3) and 13-4(4) have been met, as reported in 2017 CAR (Coffey 2017a).
MS1036: M13.5	Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	After receiving notice in writing from the CEO that the Baseline Survey Plan satisfies the requirements of condition 13-4, the proponent shall undertake the baseline surveys in accordance with the requirements of the Baseline Survey Plan.	Completed	Baseline survey completed in accordance with the approved Baseline Survey Plan (Coffey 2017b). R003
MS1036: M13.6	Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental	<p>On completion of the baseline surveys the proponent shall report to the CEO on the following:</p> <ol style="list-style-type: none"> <li>(1) Completion of the baseline surveys in accordance with the Baseline Survey Plan.</li> <li>(2) The results of the baseline surveys.</li> </ol>	Compliant	The Baseline Survey Report was issued in October 2017 (Coffey 2017b). R003

Audit code	Subject	Requirement	Status	Further information
	Management Plan			
MS1036: M13.7	Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	The proponent shall specify threshold criteria that are consistent with the Australian Drinking Water Guidelines (NHMRC & ARMCANZ 1996), or its revisions, as required by condition 8-2(2).	Compliant	OEPA approval stated this condition has been met, as reported in 2017 CAR (Coffey 2017a).
MS1036: M13.8	Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	The proponent shall not construct any laydown areas, stock piles or store chemicals within the well head protection zones in the GUWPCA.	Compliant	R002
MS1036: M13.9	Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	Any fuel or chemicals stored within the GUWPCA shall: <ul style="list-style-type: none"> <li>(1) Be contained within double-lined fuel storage tanks.</li> <li>(2) Not exceed an individual storage tank capacity of 5,000 L.</li> <li>(3) Be placed in bunds capable of storing 125% of the capacity of the largest storage tank.</li> <li>(4) Not be located within well head protection zones.</li> </ul>	Non-compliant	In August 2018, several small chemical containers and jerry cans were identified within the GUWPCA in shipping containers that are not bunded. This does not meet the requirement for fuels and chemicals to be stored in bunded areas.  R002

Audit code	Subject	Requirement	Status	Further information
MS1036: M13.10	Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	The proponent shall not construct infiltration basins, including bio-retention basins, within 100 m of drinking water production wells within the GUWPCA.	Compliant	R002
MS1036: M14.1	Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	<p>The proponent shall manage the construction of the proposal to meet the following environmental outcomes:</p> <p>(1) To ensure that construction and operation of the proposal, including from dewatering and groundwater abstraction, does not result in indirect impacts to the Claypans of the Swan Coastal Plain and Communities of Tumulus Springs (Organic Mound Springs, Swan Coastal Plain) and Conservation Category Wetlands as shown in figures 5 and 6.</p> <p>(2) To ensure that construction of the proposal maintains predevelopment surface water flows to the <i>Darwinia foetida</i>, Claypans of the Swan Coastal Plain and Communities of Tumulus Springs (Organic Mound Springs, Swan Coastal Plain) and Conservation Category Wetlands as shown in figures 3, 5 and 6.</p> <p>through implementation of the Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan approved by the CEO.</p>	Compliant	R001
MS1036: M14.2	Flora and Vegetation – Inland Waters Environmental Quality – Hydrological	The proponent shall prepare the Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan required by condition 8-1 on advice of the Department of Water and Department of Parks and Wildlife.	Compliant	OEPA approval stated this condition has been met. Reported in 2017 CAR (Coffey 2017a).

Audit code	Subject	Requirement	Status	Further information
	Processes – Condition Environmental Management Plan			
MS1036: M14.3	Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	The proponent shall undertake baseline surveys prior to ground disturbing activities for the purpose of establishing trigger and threshold criteria as required by condition 8-2.	Completed	Baseline survey completed between December 2015 and May 2017 (Coffey 2017c).  R004
MS1036: M14.4	Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	Prior to the commencement of ground disturbing activities, the proponent shall prepare in consultation with the Department of Water and the Department of Parks and Wildlife, and submit a Baseline Survey Plan(s) to the CEO. The Baseline Survey Plan(s) shall:  (1) When implemented, determine the baseline state of areas identified in condition 14-4(3) so that ongoing monitoring can determine that conditions 14-1(1) and 14-1(2) will be met.  (2) Detail the proposed methodology for the baseline surveys.  (3) Identify and spatially define the proposed survey locations and reference/control sites and provide rationale for the location of the sites.  (4) Detail the proposed frequency and timing for the baseline surveys.	Completed	OEPA approval stated conditions 14-4, 14-4(2), 14-4(3) and 14-4(4) have been met, as reported in the 2017 CAR (Coffey 2017a).

Audit code	Subject	Requirement	Status	Further information
MS1036: M14.5	Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	After receiving notice in writing from the CEO that the Baseline Survey Plan satisfies the requirements of condition 14-4, the proponent shall undertake the baseline surveys in accordance with the requirements of the Baseline Survey Plan	Completed	The baseline water quality sampling was completed between December 2015 and May 2017 (Coffey 2017c).  R004
MS1036: M14.6	Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	On completion of the baseline surveys the proponent shall report to the CEO on the following:  (1) Completion of the baseline surveys in accordance with the Baseline Survey Plan.  (2) The results of the baseline surveys.	Compliant	
MS1036: M14.7	Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental	The proponent shall undertake monitoring as required by condition 8-2(3) for a period of 3 years, or as otherwise agreed in writing by the CEO, post construction in order to demonstrate that the outcomes in condition 14-1(1) and 14-1(2) have been met.	Not required at this stage	Construction not complete.



Audit code	Subject	Requirement	Status	Further information
	Management Plan			
MS1036: M14.8	Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	In the event that monitoring required by condition 14-7 indicates that the outcomes in condition 14-1(1) and 14-1(2) have not been met the proponent shall undertake to the requirements of condition 8-4.	Not required at this stage	Construction not complete.
MS1036: M14.9	Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	The proponent shall not construct laydowns areas or stock piles within 50 m of Claypans of the <i>Swan Coastal Plain and Communities of Tumulus Springs (Organic Mound Springs, Swan Coastal Plain)</i> and Conservation Category Wetlands as shown in figures 5 and 6.	Compliant	R002
MS1036: M15.1	Amenity (Noise) – Condition Environmental Management Plan	The proponent shall construct the proposal to meet the following environmental objectives:  (1) To ensure that impacts to the noise amenity of existing sensitive receptors delineated in figure 7 of Schedule 2, as a result of the ongoing operation of the proposal are minimised as low as reasonably practicable.	In process	The Amenity (Noise) CMEP includes five key management actions. Of these, two actions are not required at this stage and two actions are

Audit code	Subject	Requirement	Status	Further information
		<p>(2) To ensure that the impacts to the noise amenity of existing sensitive receptors, are consistent with section 5.3 of State Planning Policy 5.4 for properties south of Maralla Road.</p> <p>through implementation of the Amenity (Noise) – Condition Environmental Management Plan, approved by the CEO.</p>		completed. The remaining action is in process (Table 4.3).
MS1036: M15.2	Amenity (Noise) – Condition Environmental Management Plan	<p>The Amenity (Noise) – Condition Environmental Management Plan shall include management actions for:</p> <p>(1) The design of noise mitigation measures, including but not limited to noise attenuation barriers and noise walls.</p> <p>(2) The procedures to monitor the effectiveness of noise mitigation measures.</p> <p>(3) The procedures to consult with the affected landowners delineated in figure 7 of Schedule 1 and defined by geographic coordinates in Schedule 2, regarding additional noise mitigation measures.</p> <p>(4) The procedures for noise complaint management and a response framework.</p>	In process	OEPA approval stated condition has been met, as reported in 2017 CAR (Coffey 2017a).
MS1036: M16.1	Residual Impacts and Risk Management Measures	<p>The objective of conditions 16-2 to 16-22 is to offset the following significant residual impacts:</p> <p>(1) 4 ha of Threatened Ecological Community SCP 20a, ‘Banksia attenuata woodlands over species rich dense shrublands’.</p> <p>(2) 5.5 ha of Yanga Complex.</p> <p>(3) 31.9 ha of <i>Caladenia huegelii</i> critical habitat.</p> <p>(4) 129.9 ha of Bush Forever sites.</p> <p>(5) 7.65 ha of A Class Nature Reserves.</p> <p>(6) 207.2 ha of <i>Calyptorhynchus latirostris</i> (Carnaby’s black cockatoo) foraging habitat.</p>	In process	<p>OEPA approval has been provided for the Ippolo Road Site Land Acquisition and Management Plan, and <i>Caladenia huegelii</i> Habitat Management Plan, as reported in 2017 CAR (Coffey 2017a).</p> <p>The Land Acquisition and Rehabilitation Offsets Strategy, and SCP 20a Offsets Strategy are In Process.</p>

Audit code	Subject	Requirement	Status	Further information
		(7) 120.5 ha of <i>Calyptorhynchus banksii</i> naso (forest red-tailed black cockatoo) foraging habitat. (8) 16 ha of Conservation Category Wetlands.		
MS1036: M16.2	Residual Impacts and Risk Management Measures – Ippolo Road Site Acquisition and Management Plan	Prior to the commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO, the proponent shall submit an Ippolo Road Site Land Acquisition and Management Plan to the requirements of the CEO, with the objective of counterbalancing the significant residual impact to: <ol style="list-style-type: none"> <li>(1) 7.65 ha of A Class Nature Reserves.</li> <li>(2) 202 ha of <i>Calyptorhynchus latirostris</i> (Carnaby's black cockatoo) foraging habitat.</li> <li>(3) 99.1 ha of <i>Calyptorhynchus banksii</i> naso (forest red-tailed black cockatoo) foraging habitat.</li> </ol>	Completed	Plan was approved 8/02/2017, as reported in 2017 CAR (Coffey 2017a).
MS1036: M16.3	Residual Impacts and Risk Management Measures – Ippolo Road Site Acquisition and Management Plan	The Ippolo Road Site Land Acquisition and Management Plan shall: <ol style="list-style-type: none"> <li>(1) Identify the environmental attributes of the land to be acquired which must contain:               <ol style="list-style-type: none"> <li>(a) At least 673.5 ha of <i>Calyptorhynchus latirostris</i> (Carnaby's black cockatoo) potential foraging habitat.</li> <li>(b) At least 279 ha of <i>Calyptorhynchus banksii</i> naso (forest red-tailed black cockatoo) potential foraging habitat.</li> </ol> </li> <li>(2) Detail the arrangements and funding for the upfront works associated with establishing the conservation reserve and ongoing management of the land acquired on advice from the Department of Parks and Wildlife.</li> <li>(3) Identify activities to be undertaken including improvement actions for areas identified as being in a degraded condition or cleared areas requiring rehabilitation.</li> </ol>	Completed	OEPA approval stated condition has been met, as reported in 2017 CAR (Coffey 2017a).

Audit code	Subject	Requirement	Status	Further information
		(4) Detail timeframes for undertaking improvement actions and management activities. (5) Identify roles and responsibilities of the proponent and any agreements with third parties. (6) Detail completion criteria. (7) Include monitoring and reporting requirements.		
MS1036: M16.4	Residual Impacts and Risk Management Measures – Ioppolo Road Site Acquisition and Management Plan	After receiving notice in writing from the CEO that the Ioppolo Road Site Land Acquisition and Management Plan satisfies the requirements of condition 16-3, the proponent shall: <ol style="list-style-type: none"> <li>(1) Prior to the commencement of ground disturbing activities, commence the implementation of the actions in accordance with the requirements of the approved Ioppolo Road Site Land Acquisition and Management Plan.</li> <li>(2) Continue to implement the approved Ioppolo Road Site Land Acquisition and Management Plan until the CEO has confirmed by notice in writing that it has been demonstrated that the completion criteria in the Ioppolo Road Site Land Acquisition and Management Plan have been met and therefore the implementation of the actions is no longer required.</li> </ol>	Compliant	The approved Plan continues to be implemented.  Gates have not been installed in the reserves as there are many points where the bushland is very open and access could be made. Gates are considered unlikely to prevent unauthorised access. While this is a potential non-conformance with the CEMP, it is proposed to amend the Ioppolo Road Management Plan to remove this requirement.  C095, C096
MS1036: M16.5	Residual Impacts and Risk Management Measures – Ioppolo Road Site Acquisition and	Prior to the commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO, the proponent shall acquire, or fully fund the acquisition of, the land identified in the approved Ioppolo Road Site Land Acquisition and Management Plan, as required by condition 16-2, for the purpose of conservation. The land identified in the approved Ioppolo Road Site Land Acquisition and Management Plan shall be vested to the Conservation and Parks Commission for the purpose of conservation of flora and fauna.	In process	Ground disturbing activities commenced on 31 March 2017.  The approved Plan (January 2017) outlines that funding of land acquisition is complete, as reported in the 2017 CAR (Coffey 2017a).



Audit code	Subject	Requirement	Status	Further information
	Management Plan			Vesting of the land to the Conservation and Parks Commission is outside of the proponent's control.
MS1036: M16.6	Residual Impacts and Risk Management Measures – Ippolo Road Site Acquisition and Management Plan	The proponent shall review and revise the Ippolo Road Site Land Acquisition and Management Plan as and when directed by the CEO.	In process	Review of the approved plan is currently underway.
MS1036: M16.7	Residual Impacts and Risk Management Measures – Ippolo Road Site Acquisition and Management Plan	The proponent shall implement the latest revision of the Ippolo Road Site Land Acquisition and Management Plan, which the CEO has confirmed by notice in writing, satisfies the requirements of condition 16-2.	Compliant	As for M16.4.
MS1036: M16.8	Residual Impacts and Risk Management Measures – Land Acquisition and Restoration Offsets Strategy	<p>Within twelve months of the publication of this Statement, the proponent shall prepare and submit a Land Acquisition and Restoration Offsets Strategy to the CEO, with the objective of counterbalancing the significant residual impact to:</p> <ol style="list-style-type: none"> <li>(1) 5.5 ha of Yanga Complex.</li> <li>(2) 129.9 ha of Bush Forever sites.</li> <li>(3) 5.2 ha of <i>Calyptorhynchus latirostris</i> (Carnaby's black cockatoo) foraging habitat.</li> </ol>	In process	<p>DWER – EPA Services provided comment on the draft Strategy on 21 September 2018, requesting further amendments before it can be approved for implementation. Revision of the document is in process.</p> <p>C097</p>

Audit code	Subject	Requirement	Status	Further information
		(4) 21.4 ha of <i>Calyptorhynchus banksii naso</i> (forest red-tailed black cockatoo) foraging habitat. (5) 16 ha of Conservation Category Wetlands.		
MS1036: M16.9	Residual Impacts and Risk Management Measures – Land Acquisition and Restoration Offsets Strategy	The Land Acquisition and Restoration Offsets Strategy required by condition 16-8 shall: <ol style="list-style-type: none"> <li>(1) Identify an area or areas to be protected, managed and/or restored for conservation or enhancement of the values identified in condition 16-8.</li> <li>(2) Identify the area(s) of land to be acquired which must contain:               <ol style="list-style-type: none"> <li>(a) No less than 48 ha of wetlands which are of the same quality as Conservation Category Wetlands at the time of acquisition or after rehabilitation.</li> <li>(b) 181 ha with vegetation communities and/or complexes and conditions commensurate with the Bush Forever sites being impacted.</li> <li>(c) No less than 5.5 ha of Yanga Complex.</li> </ol> </li> <li>(3) Include a completed WA Offsets Template, as described in the WA Environmental Offsets Guidelines 2014, as well as the Commonwealth’s Offset Assessment Guide, to demonstrate how the proposed offset counterbalances the significant residual impact to:               <ol style="list-style-type: none"> <li>(a) 5.2 ha of <i>Calyptorhynchus latirostris</i> (Carnaby’s black cockatoo) potential foraging habitat.</li> <li>(b) 21.4 ha of <i>Calyptorhynchus banksii naso</i> (forest red-tailed black cockatoo) potential foraging habitat.</li> </ol> </li> <li>(4) Identify the environmental attributes of the offset area(s).</li> <li>(5) Commit to a protection mechanism for any areas of land acquisition, being either the area is ceded to the Crown for the purpose of conservation, or the area is managed under a Conservation Covenant in perpetuity.</li> </ol>	In process	As for M16.8.

Audit code	Subject	Requirement	Status	Further information
		<p>(6) If any land is to be ceded to the Crown for the purpose of conservation, the proponent will determine:</p> <ul style="list-style-type: none"> <li>(a) The quantum of, and provide funds for, the upfront works associated with establishing the conservation area.</li> <li>(b) The quantum of, and provide a contribution of funds for, the management of this area for no less than seven (7) years.</li> <li>(c) The quantum identified in conditions 16-9(6) (a) and 16-9(6) (b) shall provide for the requirements defined in condition 16-9(7) (a) to be met.</li> <li>(d) An appropriate management body for the ceded land.</li> </ul> <p>(7) State the management and/or rehabilitation actions to be undertaken including:</p> <ul style="list-style-type: none"> <li>(a) The objectives and targets to be achieved, including completion criteria.</li> <li>(b) The consistency of the objectives and targets identified in 16-9(7) (a) with the management objectives of the relevant Recovery Plans.</li> <li>(c) Management and/or rehabilitation actions and a timeframe for the actions to be undertaken.</li> <li>(d) Risk management.</li> <li>(e) Funding arrangements and timing of funding for conservation activities.</li> <li>(f) Monitoring, reporting and evaluation mechanisms for management and/or rehabilitation actions.</li> </ul> <p>(8) Define the role of the proponent and/or any third parties.</p>		
MS1036: M16.10	Residual Impacts and Risk Management Measures - Land Acquisition and	<p>After receiving notice in writing from the CEO that the Land Acquisition and Restoration Offsets Strategy satisfies the requirements of condition 16-9, the proponent shall:</p> <ul style="list-style-type: none"> <li>(1) Implement the actions in accordance with the requirements of the approved Land Acquisition and Restoration Offsets Strategy.</li> </ul>	Not required at this stage	The Strategy is yet to be approved.

Audit code	Subject	Requirement	Status	Further information
	Restoration Offsets Strategy	(2) Continue to implement the approved Land Acquisition and Restoration Offsets Strategy until the CEO has confirmed by notice in writing that it has been demonstrated that the completion criteria in the Land Acquisition and Restoration Offsets Strategy have been met and therefore the implementation of the actions is no longer required.		
MS1036: M16.11	Residual Impacts and Risk Management Measures - Land Acquisition and Restoration Offsets Strategy	The proponent shall review and revise the Land Acquisition and Restoration Offsets Strategy as and when directed by the CEO.	Not required at this stage	The Strategy is yet to be approved.
MS1036: M16.12	Residual Impacts and Risk Management Measures - <i>Caladenia huegelii</i> Habitat management Plan	Prior to commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO, the proponent shall prepare and submit a <i>Caladenia huegelii</i> Habitat Management Plan to maintain or improve the conservation of <i>Caladenia huegelii</i> to the requirements of the CEO.	Completed	Ground disturbing activities commenced on 31 March 2017. OEPA approval dated 15 March 2017 stated condition has been met, as reported in 2017 CAR (Coffey 2017a).
MS1036: M16.13	Residual Impacts and Risk Management Measures - <i>Caladenia huegelii</i> Habitat management Plan	The proponent shall prepare the <i>Caladenia huegelii</i> Habitat Management Plan required by condition 16-12 on advice of the Department of Parks and Wildlife.	Compliant	OEPA approval stated condition has been met, as reported in 2017 CAR (Coffey 2017a).
MS1036: M16.14	Residual Impacts and Risk	The <i>Caladenia huegelii</i> Habitat Management Plan identified in condition 16-12, shall include details on the:	Compliant	As for M16.13.

Audit code	Subject	Requirement	Status	Further information
	Management Measures – <i>Caladenia huegelii</i> Habitat management Plan	(1) Activities to be undertaken. (2) Consistency of the activities identified in 16-14(1) with the management objectives of the relevant Recovery Plan. (3) Timeframes for undertaking management activities. (4) Roles and responsibilities. (5) Funding arrangements for implementation of the plan. (6) Monitoring, reporting and evaluation mechanisms. (7) Completion criteria.		
MS1035: M16.15	Residual Impacts and Risk Management Measures – <i>Caladenia huegelii</i> Habitat management Plan	The <i>Caladenia huegelii</i> Habitat Management Plan required by condition 16-12 shall apply to A Class Nature Reserves 23756, 46919 and 46875, Bush Forever Site 300.	Completed	As for M16.13.
MS1035: M16.16	Residual Impacts and Risk Management Measures – <i>Caladenia huegelii</i> Habitat management Plan	The activities to be undertaken as identified in condition 16-14(1) shall address the requirement for: (1) Provision of Cable fencing and heavy duty gates. (2) Weed mapping and control. (3) <i>Phytophthora cinnamomi</i> mapping. (4) The development of a hygiene plan based on the mapping as identified in condition 16-16(3). (5) <i>Caladenia huegelii</i> surveys and critical habitat mapping.	Compliant	As for M16.13.



Audit code	Subject	Requirement	Status	Further information
		(6) Other activities to be undertaken that would maintain or improve the conservation status of <i>Caladenia huegelii</i> .		
MS1035: M16.17	Residual Impacts and Risk Management Measures – <i>Caladenia huegelii</i> Habitat management Plan	Prior to commencement of ground disturbing activities, and after receiving notice in writing from the CEO on the advice of the Department of Parks and Wildlife that the <i>Caladenia huegelii</i> Habitat Management Plan satisfies the requirements of conditions 16-13 to 16-16, or as otherwise agreed by the CEO, the proponent shall implement the <i>Caladenia huegelii</i> Habitat Management Plan until the CEO advises implementation may cease.	Compliant	The approved plan was implemented prior to the commencement of ground disturbance. The CEO has not advised that the plan no longer needs to be implemented.  R002, R007
MS1035: M16.18	Residual Impacts and Risk Management Measures – <i>Caladenia huegelii</i> Habitat management Plan	The proponent shall review and revise the <i>Caladenia huegelii</i> Habitat Management Plan as and when directed by the CEO.	Compliant	
MS1035: M16.19	Residual Impacts and Risk Management Measures – SCP 20a Offsets Strategy	The proponent shall undertake an offset with the objective of counterbalancing the significant residual impact to:  4 ha of Threatened Ecological Community SCP 20a, ' <i>Banksia attenuata woodlands over species rich dense shrublands</i> ' as a result of the implementation of the proposal.	In process	Strategy has not yet been approved.
MS1036: M16.20	Residual Impacts and Risk Management Measures – SCP 20a Offsets Strategy	Within twelve months of the publication of this Statement, the proponent shall prepare and submit an SCP 20a Offsets Strategy to the CEO. The SCP 20a Offsets Strategy shall:  (1) Identify an area or areas to be protected, managed and/or rehabilitated for conservation or enhancement of SCP 20a, or habitat necessary to maintain or enhance SCP 20a, identified in condition 16-19(1); include a completed WA	In process	DWER – EPA Services provided comment on the draft Strategy on 23 February 2018, requesting further refinement following discussion with DBCA and DWER.

Audit code	Subject	Requirement	Status	Further information
		<p>Offsets Template, as described in the WA Environmental Offsets Guidelines 2014, as well as the Commonwealth's Offset Assessment Guide, to demonstrate how the proposed offset counterbalances the significant residual impact.</p> <p>(2) Identify the environmental attributes of the offset area(s).</p> <p>(3) Commit to a protection mechanism for any areas of land acquisition, being either the area is ceded to the Crown for the purpose of conservation, or the area is managed under a Conservation Covenant in perpetuity.</p> <p>(4) If any land is to be ceded to the Crown for the purpose of conservation, the proponent will identify:</p> <p>(a) The quantum of, and provide funds for, the upfront works associated with establishing the conservation area.</p> <p>(b) The quantum of, and provide a contribution of funds for, the management of this area for no less than seven (7) years.</p> <p>(c) The quantum identified in conditions 16-20(5) (a) and 16-20(5) (b) shall provide for the requirements defined in condition 16-20(6) (a) to be met.</p> <p>(d) An appropriate management body for the ceded land.</p> <p>(5) State the management and/or rehabilitation actions to be undertaken including:</p> <p>(a) The objectives and targets to be achieved, including completion criteria.</p> <p>(b) Management and/or rehabilitation actions and a timeframe for the actions to be undertaken.</p> <p>(c) Funding arrangements and timing of funding for conservation activities.</p> <p>(d) Monitoring, reporting and evaluation mechanisms for management and/or rehabilitation actions.</p> <p>(6) Define the role of the proponent and/or any third parties.</p>		<p>The revised Strategy was transmitted to DWER in June 2018.</p> <p>Strategy is yet to be approved.</p> <p>C098</p>

Audit code	Subject	Requirement	Status	Further information
MS1036: M16.21	Residual Impacts and Risk Management Measures – SCP 20a Offsets Strategy	<p>After receiving notice in writing from the CEO that the SCP 20a Offsets Strategy satisfies the requirements of condition 16-20, the proponent shall:</p> <p>(1) Implement the actions in accordance with the requirements of the approved SCP 20a Offsets Strategy.</p> <p>(2) Continue to implement the approved SCP 20a Offsets Strategy until the CEO has confirmed by notice in writing that it has been demonstrated that the completion criteria in the SCP 20a Offsets Strategy have been met and therefore the implementation of the actions is no longer required.</p>	Not required at this stage	Strategy is yet to be approved.
MS1036: M16.22	Residual Impacts and Risk Management Measures – SCP 20a Offsets Strategy	The proponent shall review and revise the SCP 20a Offsets Strategy as and when directed by the CEO.	Not required at this stage	Strategy is yet to be approved.

## 4.2 Environmental Management Plans

The following management plans have been approved and were in effect during this reporting period:

- Condition 9: Flora and Vegetation – Construction – Condition Environmental Management Plan.
- Condition 10: Flora and Vegetation – Indirect Impacts and Threatened Flora and Communities – Condition Environmental Management Plan.
- Condition 11: Flora and Vegetation – Progressive Rehabilitation Condition Environmental Management Plan.
- Condition 12: Fauna – Construction – Condition Environmental Management Plan.
- Condition 13: Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan.
- Condition 14: Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan.
- Condition 15: Amenity (Noise) – Condition Environmental Management Plan.
- Condition 16: Ippolo Road Site Land Acquisition and Management Plan.
- Condition 16: *Caladenia huegelii* Habitat Management Plan.

Note that the Land Acquisition and Rehabilitation Offsets Strategy and the SCP 20a Offsets Strategy also required under condition 16 are yet to be approved by the Department of Water and Environment Regulation and consequently, are not addressed in this CAR.

The majority of these management plans required assessment of achievement according to objectives (Table 4.2), a summary of the management actions implementation (Table 4.3) and monitoring (Tables 4.4 and 4.5). These are generally outlined below; however, the Ippolo Road Site Land Acquisition and Management Plan and the *Caladenia huegelii* Habitat Management Plan are not Condition Environmental Management Plans and do not contain objectives or monitoring actions, therefore assessment for these plans is limited to implementation of management actions (Table 4.3).

Condition 13: Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan and Condition 14: Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan are addressed in Sections 4.2.1. The latter two documents are addressed separately as their requirements for reporting are different to the other terrestrial management plans.

**Table 4.2 Condition environmental objectives and management targets for terrestrial management plans**

Condition environmental objective and management target set in the Condition EMP	Reporting on the management objectives and management annually, commencing 12 months from date of issue	Status
<b>Key environmental factor: Flora and Vegetation Ministerial Statement 1036, conditions 9-1 to 9-9</b>		
<b>Condition environmental objective 1:</b> To ensure that <i>Phytophthora cinnamomi</i> is not introduced into	<i>Phytophthora cinnamomi</i> was not introduced into disease-free areas by construction activities.  Management target 1 is being met.	Compliant

Condition environmental objective and management target set in the Condition EMP	Reporting on the management objectives and management annually, commencing 12 months from date of issue	Status
disease free areas by construction activities during construction.		
<p><b>Condition environmental objective 2:</b></p> <p>To ensure that impacts to flora and vegetation from dust are minimised as far as practicable during construction</p>	<p>Impacts to flora and vegetation from dust were minimised as far as practicable during construction.</p> <p>Management target 2 is being met.</p>	Compliant
<p><b>Condition environmental objective 3:</b></p> <p>To ensure that impacts to flora and vegetation from the introduction or spread of weeds are minimised as far as practicable during construction.</p>	<p>Impacts to flora and vegetation from the introduction or spread of weeds were minimised as far as practicable during construction.</p> <p>Remedial actions are under way to meet Management target 3 by eradicating newly identified declared weeds.</p> <p>Management target 4 is being met.</p>	<p>Compliant</p> <p>Management target 3: Potentially non-conforming – Narrow leaf cotton bush was identified in February 2018 including in <i>Caladenia huegelii</i> critical habitat. Individuals removed, monitoring undertaken and pre-start notification provided to personnel.</p>
<p><b>Condition 9-8:</b></p> <p>The proponent shall not undertake clearing or construct any laydown areas or stock piles within the 50 m buffer of <i>Caladenia huegelii</i>, as delineated in Figure 2 of Schedule 1 and defined by geographic coordinates in Schedule 2.</p>	<p>No clearing was undertaken and no laydown areas or stockpiles were constructed within the 50 m buffer of <i>Caladenia huegelii</i>.</p> <p>Management target 5 is being met.</p>	Compliant
<p><b>Condition 9-9:</b></p> <p>The proponent shall not undertake clearing or construct any laydown areas or stock piles within the 10 m buffer, as delineated in figure 3 of Schedule 1 and defined by geographic coordinates in Schedule 2, of:</p> <p><i>Grevillea curviloba</i> subsp. <i>incurva</i>; and</p> <p><i>Darwinia foetida</i>.</p>	<p>No clearing was undertaken and no laydown areas or stockpiles were constructed within the 10 m buffers of <i>Grevillea curviloba</i> subsp. <i>incurva</i> and <i>Darwinia foetida</i>.</p> <p>Management target 5 is being met.</p>	Compliant
<b>Key environmental factor: Flora and Vegetation Ministerial Statement 1036, conditions 10-1 and 10-2</b>		
<p><b>Condition environmental objective 1:</b></p> <p>To ensure that indirect impacts, including but not limited to weeds, unauthorised access, increased fire risk and litter, changes to surface water regimes, to flora and vegetation, including but not limited to <i>Caladenia</i></p>	<p>Indirect impacts to Threatened flora and communities were minimised as far as practicable.</p> <p>Management targets 1 and 2 have not been met.</p> <p>Management target 3 is being met.</p>	<p>Potentially non-compliant</p> <p>Dust impacts identified &gt;10 m from the edge of native vegetation adjacent including</p>



Condition environmental objective and management target set in the Condition EMP	Reporting on the management objectives and management annually, commencing 12 months from date of issue	Status
<i>huegelii</i> habitat, <i>Grevillea curviloba</i> subsp. <i>incurva</i> , <i>Darwinia foetida</i> , Conservation Category Wetlands, Claypans of the Swan Coastal Plain and Communities of Tumulus Springs (Organic Mound Springs, Swan Coastal Plain) are minimised as far as practicable.	Management target 4 is in process	areas of <i>Caladenia huegelii</i> habitat.
<p><b>Condition environmental objective 2:</b></p> <p>To maintain or improve the condition of the remaining extent of SCP20a as shown in figure 4 [of Ministerial Statement 1036].</p>	<p>The remaining extent of SCP20a along Beechboro Road North was maintained or improved.</p> <p>Management target 5 cannot be determined at this stage.</p>	<p>Compliant.</p> <p>Evidence of dust and plant stress extend further than 10m, exceeding the threshold criteria. Decline in vegetation since the pre-construction survey in 2017. Cause cannot be attributed to project.</p>
<b>Key environmental factor: Flora and Vegetation Rehabilitation Ministerial Statement 1036 conditions 11-1 to 11-6</b>		
<p><b>Condition environmental objective 1:</b></p> <p>To progressively rehabilitate the areas of native vegetation cleared as a result of implementation of the proposal that are no longer required for construction activities or not required for ongoing operations.</p>	No locations within development envelope will be temporarily cleared, therefore no locations of temporary clearing that require rehabilitation.	Not required at this stage.
<p><b>Condition environmental objective 2:</b></p> <p>To rehabilitate the section of Beechboro Road North from Jules Steiner Memorial Drive to Gngara Road within twelve months of decommissioning this section of road.</p>	Rehabilitation will commence June-July 2019.	Not required at this stage.
<b>Management targets</b>		
Management target 1	Rehabilitation of the redundant section of Beechboro Road North has commenced within 12 months of decommissioning.	Not required at this stage.
Management target 2	After three years, the rehabilitation site meets the completion criteria using locally native species.	Not required at this stage.
<b>Completion criteria</b>		
Completion criterion 1	Total native species richness across the rehabilitation site has a minimum of 46 native species.	Not required at this stage.

Condition environmental objective and management target set in the Condition EMP	Reporting on the management objectives and management annually, commencing 12 months from date of issue	Status
Completion criterion 2	Average native species per quadrat has a minimum of 26 native species per 100 m <sup>2</sup> .	Not required at this stage.
Completion criterion 3	Tree species richness across the rehabilitation site includes the following five tree species: <i>Banksia attenuata</i> . <i>Banksia menziesii</i> . <i>Corymbia calophylla</i> . <i>Eucalyptus marginata</i> subsp. <i>thalassica</i> <i>Eucalyptus todtiana</i> .	Not required at this stage.
Completion criterion 4	Average native shrub species richness per quadrat has a minimum of nine species.	Not required at this stage.
Completion criterion 5	Foliage cover of native species averages a minimum of 50% across the rehabilitation site.	Not required at this stage.
Completion criterion 6	Weed cover averages a maximum of 10% across the rehabilitation site.	Not required at this stage.
Completion criterion 7	No plants listed as declared pests under section 22(2) of the <i>Biosecurity and Agriculture Management Act 2007</i> or Weeds of National Significance are present within the rehabilitation site.	Not required at this stage.
<b>Key environmental factor: Fauna Ministerial Statement 1036, conditions 12-1 to 12-3</b>		
<b>Condition environmental objective:</b> To ensure that impacts to conservation significant fauna are minimised as far as practicable during final design and construction of the proposal	Impacts to conservation significant fauna were minimised as far as practicable during construction. Management targets 1, 2 and 3 have been met.	Compliant
<b>Key environmental factor: Amenity (noise) Ministerial Statement No. 1036, conditions 15-1 and 15-2</b>		
<b>Condition environmental objective 1:</b> To ensure that impacts to the noise amenity of existing sensitive receptors delineated in Figure 7 of Schedule 1 [of the Ministerial Statement] and defined by geographic coordinates in Schedule 2 [of the Ministerial Statement], as a result of the ongoing operation of the proposal are minimised as low as reasonably practicable.	Impacts from operational noise to existing sensitive receptors north of Maralla Road were minimised as low as reasonably practicable. Management target 1 has been met.	Not required at this stage.
<b>Condition environmental objective 2:</b> To ensure that the impacts to the noise amenity of existing sensitive receptors, are consistent with section 5.3 of State	Impacts from noise to existing sensitive receptors were consistent with section 5.3 of State Planning Policy 5.4 for properties south of Maralla Road.	Not required at this stage.



Condition environmental objective and management target set in the Condition EMP	Reporting on the management objectives and management annually, commencing 12 months from date of issue	Status
Planning Policy 5.4 for properties south of Maralla Road.	Management target 2 satisfactory to date.	

The summary of the management actions implementation for the terrestrial management plans (Table 4.3) is based on information provided by the contractors, where it was available.

Examples of evidence were utilised to determine implementation of monitoring actions, and review of all available data for the entire period was not undertaken.

**Table 4.3 Summary of terrestrial management actions to be implemented**

Risk and key impacts	Number of management actions	Status	Detail of non-conformances and potential non-conformances
<b>Condition 9: Flora and Vegetation – Construction – Condition Environmental Management Plan</b>			
Spread of <i>Phytophthora cinnamomi</i> (into disease-free areas).	13	12 actions conforming 1 action non-conforming	Non-conformance relates to an incident on 16 January 2018 when vehicles exited designated track outside of clearing line.  Management and remedial actions implemented.
Introduction of new declared weed species into development envelope or adjacent environmentally sensitive areas.  Spread of weeds within development envelope or adjacent environmentally sensitive areas.	10	9 actions conforming 1 action potentially non-conforming 1 action addressed elsewhere	Potential non-conformance relates to burial of weedy fill at depth of 1 m, which is less than the required 1.5 m depth. MRWA seek amendment to CEMP to reduce to 0.5 m.
Dust deposition on vegetation.	1 (comprising 8 sub-actions)	6 sub-actions conforming 1 action potentially non-conforming 1 action non-conforming	Potential non-conformance relates to a delay in stabilising stockpiles and bare work areas. This was rectified with application of dust control measures.  Non-conformance relates to no screening around topsoil stockpiles; however, topsoil is blended with mulch which

			reduces risk of dust generation.
Protection of <i>Caladenia huegelii</i> buffer.	3	3 actions conforming	
Protection of <i>Grevillea curviloba</i> subsp. <i>incurva</i> buffer.	3	3 actions conforming	
Protection of <i>Darwinia foetida</i> buffer.	3	3 actions conforming	
<b>Condition 10: Flora and Vegetation – Indirect Impacts and Threatened Flora and Communities – Condition Environmental Management Plan</b>			
Vegetation loss and degradation through indirect impacts.	10	3 actions conforming 3 actions not required at this stage 4 actions addressed elsewhere	Actions addressed elsewhere relate to weed and disease management and rehabilitation.  Weed and disease management are addressed under Condition 9.  Rehabilitation is addressed under Condition 11.
Management of SCP20a.	5	4 actions conforming 1 action in process	
Changes in surface water regime.	5	3 actions conforming 2 actions not required at this stage	
<b>Condition 11: Flora and Vegetation – Progressive Rehabilitation – Condition Environmental Management Plan</b>			
Poor rehabilitation success at the redundant section of Beechboro Road North.	17	0 actions required at this stage	
<b>Condition 12: Fauna – Construction – Condition Environmental Management Plan</b>			
Loss of ecological connectivity.	4	4 actions conforming	



Fauna underpass design	6	5 actions conforming 1 action documentation required	
Fauna bridge	10	8 actions conforming 2 actions not required at this stage	
Mortality of conservation significant fauna and trapping program	24	22 actions conforming 1 action potentially non-conforming 1 action not required at this stage	Potential non-conformance relates to an exceedance of the 48 hour timeframe between conclusion of trapping and commencement of clearing; however, this is outside of the reporting period for this CAR.
Disturbance of Black Cockatoo nests.	3	0 actions required at this stage	
Fauna underpass locations	1	1 action conforming	
<b>Condition 15: Amenity (Noise) – Condition Environmental Management Plan</b>			
Noise barrier specifications	4	2 actions conforming 1 actions potentially non-conforming 1 action not required at this stage	Potential non-conformance relates to noise wall height, which was raised to 5.5 m, but due to distance of walls from property boundary, and the properties are elevated above road level, so wall height is less than 5 m.
Noise monitoring south of Maralla Road	3	3 actions not required at this stage	

Consultation and noise mitigation	2	2 actions completed	
Noise complaints procedure	6	6 actions not required at this stage	
<b>Condition 16: Ioppolo Road Site Land Acquisition and Management Plan</b>			
Management activities within Lot 2091.	8	5 actions conforming 1 action non-conforming 2 actions in process	Non-conformance relates to lack of gate installation. Propose amendment to management plan to remove this management activity.
<b>Condition 16: <i>Caladenia huegelii</i> Habitat Management Plan</b>			
Provision of cable fencing and heavy duty gates	4	4 actions in process	
Weed mapping and control	6	2 actions completed 3 actions non-conforming 1 action in process	Three non-conformances relate to delay in weed mapping by DBCA and subsequent delay in weed control as a result.
<i>Phytophthora cinnamomi</i> mapping	4	1 action completed 1 action non-conforming 2 actions not required at this stage	Non-conformance due to delay by DBCA in completing dieback mapping.
Development of a hygiene plan	2	1 action completed 1 action non-conforming	Non-conformance due to a delay by DBCA in completing dieback mapping.
Survey and map <i>Caladenia huegelii</i>	3	1 action conforming 2 actions in process	
Washdown points	2	2 actions in process	



Feral pig control activities within entirety of A Class Nature Reserve 23756	4	4 actions completed	
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**Table 4.4 Terrestrial monitoring actions to be implemented**

Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
<b>Condition 9: Flora and Vegetation – Construction – Condition Environmental Management Plan</b>						
<b>Management target 1: No introduction of <i>Phytophthora cinnamomi</i> into disease-free areas by construction activities.</b>						
<i>Phytophthora cinnamomi</i> infestation.	Dieback occurrence mapping will be conducted by an accredited person using methods consistent with Terratree (2014) and in accordance with DPAW’s Manual for detecting <i>Phytophthora</i> dieback disease (Procedures for DPAW managed lands) (2013) including: <ul style="list-style-type: none"> <li>Identifying visible symptoms of disease in species susceptible to <i>P. cinnamomi</i>.</li> <li>Confirming disease presence through laboratory analysis of soil and plant tissues.</li> <li>Dieback management plan.</li> </ul>	Boundary of, and up to 10 m within, disease-free areas adjacent to the development envelope.	Location of disease front. Signs of significant erosion and surface water leaving the development envelope into disease-free areas.	<ul style="list-style-type: none"> <li>Pre-construction monitoring (after significant spring rainfall and increasing soil temperatures), in addition to baseline monitoring undertaken by Terratree (2014).</li> <li>Construction – annually (after significant spring rainfall and increasing soil temperatures).</li> </ul>	Non-conformance with the dieback management plan.	Conforming

Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
<b>Management target 2: No new declared weed species introduced into the development envelope or adjacent environmentally sensitive areas by construction activities.</b>						
New declared weed species.	Visual observations by an experienced botanist for spread of new declared weed species along clearing edge.	Clearing edge within the development envelope.	Location of declared weed infested areas within the development envelope including weed species, density and/or numbers.	<ul style="list-style-type: none"> <li>Pre-construction (spring) – declared weed survey mapping.</li> <li>Construction – monthly visual inspections and annual declared weed survey mapping.</li> </ul>	<ul style="list-style-type: none"> <li>Increase in declared weed species density and/or numbers from pre-construction monitoring observations in the development envelope.</li> </ul>	Conforming
	Spot check of vehicle compliance with clean on entry/exit procedures.	Vehicles and clean on entry/exit points.	Clean on entry/exit records.	<ul style="list-style-type: none"> <li>Weekly and unscheduled inspections.</li> </ul>	<ul style="list-style-type: none"> <li>Non-conformance with weed management plan.</li> </ul>	Conforming



Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
<b>Management target 3: No weeds introduced or spread by construction activities to weed-free areas in the development envelope and adjacent environmentally sensitive areas.</b>						
Spread of weeds.	<p>Visual observations by an experienced botanist for spread of weeds at 5 m intervals, along a 30 m long transect at each monitoring site.</p> <p>Record observations within a plot at each 5 m interval.</p> <p>Photographic record of transect.</p> <p>Recording of locations of weeds by GPS and photographs.</p> <p>Refer to Appendix D of CEMP for detailed method including transect and plot design and placement.</p>	<p>At monitoring sites (transects) as shown in figures in Appendix B and C, specifically:</p> <p><b>Environmentally sensitive areas:</b></p> <ul style="list-style-type: none"> <li>• <i>Caladenia huegelii</i> 50 m buffer – FV16B.</li> <li>• <i>Grevillea curviloba</i> subsp. <i>incurva</i> 10 m buffer – FVB2B.</li> <li>• <i>Darwinia foetida</i> 10 m buffer – FV37B.</li> <li>• CCWs – FV02E, FV04S, FV04E, FV06W, FV16W, FV16N, FV18W, FV19E, FV24E, FV28E.</li> <li>• Claypans of the SCP – FV37E.</li> <li>• Communities of Tumulus Springs – FV29W.</li> </ul> <p><b>Native flora and vegetation not infested by weeds:</b></p> <ul style="list-style-type: none"> <li>• Excellent to Pristine vegetation – FV05W,</li> </ul>	Number, species and location of weeds.	<ul style="list-style-type: none"> <li>• Pre-construction (spring) – weed survey.</li> <li>• Construction – annual weed survey.</li> </ul>	<ul style="list-style-type: none"> <li>• Increase in weed species, density and/or numbers from pre-construction monitoring observations within the development envelope and adjacent environmentally sensitive areas.</li> </ul>	Conforming

Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
		FV05E, FV06W, FV06E, FV08W, FV08E, FV09E, FV14N, FV15N, FV15S, FV16E, FV16W, FV16N, FV17W, FV17E, FV18W.				
	Visual observations for spread of weed species along clearing edge.	Clearing edge within the development envelope.	Number, species and location of weeds.	<ul style="list-style-type: none"> <li>Monthly.</li> </ul>	<ul style="list-style-type: none"> <li>Increase in weed species, density and/or numbers from pre-construction monitoring observations within the development envelope.</li> </ul>	Conforming
<b>Management target 4: No loss of flora or vegetation from dust generated by construction activities within the development envelope and adjacent environmentally sensitive areas.</b>						
Loss of flora and vegetation due to dust smothering.	Visual observations by an experienced botanist for presence of dust on flora and vegetation and signs of plant stress at 5 m intervals, along a 30 m long transect at each monitoring site.  Record observations within a plot at each 5 m interval.	At monitoring sites (transects) as shown in Figures in Appendix C, specifically:  <b>Environmentally sensitive areas:</b> <ul style="list-style-type: none"> <li><i>Caladenia huegelii</i> 50 m buffer – FV16B.</li> </ul>	Observations of dust covering on plant leaves and signs of stress including: <ul style="list-style-type: none"> <li>Location.</li> <li>Species.</li> </ul> Extent of dust deposition (0-4 scale) / plant stress	<ul style="list-style-type: none"> <li>Quarterly.</li> </ul>	<ul style="list-style-type: none"> <li>Dust deposition / plant stress aggregate score of 7 recorded.</li> </ul>	Conforming

Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
	<p>Photographic record of transect.</p> <p>Refer to Appendix D for detailed method including transect and plot design and placement.</p>	<ul style="list-style-type: none"> <li>• <i>Grevillea curviloba</i> subsp. <i>incurva</i> 10 m buffer – FVB2B.</li> <li>• <i>Darwinia foetida</i> 10 m buffer – FV37B.</li> <li>• CCWs – FV02E, FV04S, FV04E, FV06W, FV16W, FV16N, FV18W, FV19E, FV24E, FV28E.</li> <li>• Claypans of the SCP – FV37E.</li> <li>• Communities of Tumulus Springs – FV29W.</li> </ul> <p><b>Native flora and vegetation in Excellent to Pristine condition:</b></p> <p>FV05W, FV05E, FV06W, FV06E, FV08W, FV08E, FV09E, FV14N, FV15N, FV15S, FV16E, FV16W, FV16N, FV17W, FV17E, FV18W.</p>	<p>(0-4 scale). Refer to Appendix D.</p>			

Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
	Visual observations for dust on flora and vegetation along clearing edge.	Clearing edge within the development envelope.	Observations of dust covering on plant leaves including: <ul style="list-style-type: none"> <li>• Location.</li> </ul> Extent of dust deposition (0-4 scale).	<ul style="list-style-type: none"> <li>• Weekly.</li> </ul>	<ul style="list-style-type: none"> <li>• Dust covering on plants with a score of 2 or higher.</li> </ul>	Conforming.

Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
<b>Management target 5: No disturbance of the buffers around threatened flora species <i>Caladenia huegelii</i>, <i>Grevillea curviloba</i> subsp. <i>incurva</i> and <i>Darwinia foetida</i>.</b>						
Clearing, laydowns or stock piles located within buffer of threatened flora species	Visual inspection of buffers established around threatened flora species (see Figures 3 and 6 in Appendix C).	In vegetated buffers established around known Threatened flora as shown in Appendix C, specifically: <ul style="list-style-type: none"> <li>FV16B – <i>Caladenia huegelii</i> 50 m buffer.</li> <li>FVB2B – <i>Grevillea curviloba</i> subsp. <i>incurva</i> 10 m buffer.</li> <li>FV37B – <i>Darwinia foetida</i> 10 m buffer.</li> </ul>	Observations of disturbance in buffers including: <ul style="list-style-type: none"> <li>Evidence of unauthorised access.</li> <li>Presence of laydown areas or stockpiles.</li> </ul>	<ul style="list-style-type: none"> <li>While construction activities are occurring within proximity of threatened flora – weekly.</li> </ul>	<ul style="list-style-type: none"> <li>Evidence of disturbance to fences around the buffers established around Threatened flora species.</li> </ul>	Conforming
	As above	As above	As above	<ul style="list-style-type: none"> <li>At all other times during construction – quarterly.</li> </ul>	<ul style="list-style-type: none"> <li>Evidence of disturbance to fences around the buffers established around Threatened flora species.</li> </ul>	Conforming
<b>Condition 10: Flora and Vegetation – Indirect Impacts and Threatened Flora and Communities – Condition Environmental Management Plan</b>						



Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
Indirect impacts	<p>Visual observations of selected parameters at 5 m intervals, along a 30 m long transect at each monitoring site.</p> <p>Record observations within a plot at each 5 m interval.</p> <p>Photographic record of transect.</p> <p>Refer to Appendix B for detailed method including transect and plot design and placement.</p>	<p>At monitoring sites (transects) as shown in Figure 2 and listed in Appendix A, specifically:</p> <p><b>Remnant vegetation:</b></p> <p>FV01S, FV03E, FV07W, FV07E, FV08W, FV08E, FV09E, FV09W, FV11E, FV13S, FV13E, FV14N, FV15N, FV15S, FV16E, FV17W, FV17S, FV17E, FV19W, FV22E, FV23W, FV26E, FV26W, FV29E, FV33W, FV33E, FV34W, FV34E, FV35W, FVB1N, FVB1S.</p> <p><b>CCWs:</b></p> <p>FV02E, FV04S, FV04E, FV06W, FV16W, FV16N, FV18W, FV19E, FV24E, FV28E.</p> <p><b>Claypans of the SCP:</b></p> <p>FV37E.</p> <p><b>Communities of Tumulus Springs (Organic Mound Springs, SCP):</b></p> <p>FV29W.</p> <p><b>Caladenia huegelii habitat:</b></p>	<ul style="list-style-type: none"> <li>• Perennial native vegetation cover (%) and species diversity (richness and abundance).</li> <li>• Introduced vegetation (weed) cover (%) and species diversity (richness and abundance).</li> <li>• Level of dust.</li> <li>• Plant deaths.</li> <li>• Presence of wind throw.</li> <li>• Litter (rubbish) presence.</li> <li>• Vegetation condition (Keighery, 1994).</li> <li>• Evidence of unauthorised access (from the road reserve).</li> <li>• Evidence of fire caused by construction or maintenance activities.</li> </ul>	<p>Baseline in spring prior to construction.</p> <p>Quarterly during construction.</p> <p>In spring annually post-construction.</p> <p>Quarterly post-construction for weeds.</p>	<p>Indirect impacts extend into intact native vegetation further than:</p> <ul style="list-style-type: none"> <li>• 6 m; or</li> <li>• 3 m in one year.</li> </ul>	<p>Conforming</p> <p>Post-construction not yet required as construction not complete.</p>

Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
		FV15N, FV15S, FV16E, FV16N, FV17S, FV17W, FV17E.  <b>SCP20a:</b> FV05W, FV05E, FV06E.	<ul style="list-style-type: none"> <li>Broad vegetation structure.</li> <li>Presence of conservation significant flora.</li> <li>Backwater/ponding.</li> </ul>			
	Visual observations of weeds and litter by an experienced botanist.  Recording of locations of weeds by GPS and photographs.	In remaining extent of SCP20a as shown on Figure 4 of the Ministerial Statement.	<ul style="list-style-type: none"> <li>Number, species and location of weeds.</li> <li>Litter (rubbish) presence.</li> </ul>	Monthly during construction.  Quarterly post-construction.	Increase in weed numbers, species or locations.  Increase in litter.	Conforming  Post-construction monitoring note yet required as construction not complete.
Loss of Threatened flora	Visual observations of selected parameters within buffer monitoring sites.  Photographic record of buffer.	In vegetated buffers established around known Threatened flora (as shown in Figure 2D and listed in Appendix A), specifically: <ul style="list-style-type: none"> <li>FVB2B – <i>Grevillea curviloba</i> subsp. <i>incurva</i> 10 m buffer.</li> <li>FV37B – <i>Darwinia foetida</i> 10 m buffer.</li> </ul>	<ul style="list-style-type: none"> <li>Indirect impact parameters (refer to Appendix B and first row of this table).</li> <li>Number and condition of <i>Grevillea curviloba</i> subsp. <i>incurva</i> individuals (FVB2B only).</li> </ul>	Baseline in spring prior to construction.  Quarterly during construction.  Quarterly post-construction.	Indirect impacts extend into a buffer further than: <ul style="list-style-type: none"> <li>3 m of the buffer radius in total; or</li> <li>2 m of the buffer radius in one year.</li> </ul>	Conforming  Post-construction monitoring not yet required as construction not complete.

Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
			<ul style="list-style-type: none"> <li>Number and condition of <i>Darwinia foetida</i> individuals (FV37B only).</li> </ul>		Decrease in plant condition of <i>Grevillea curviloba</i> subsp. <i>incurva</i> or <i>Darwinia foetida</i> .	
Changes in surface water regime	Visual observation and measurement of backwater or ponding of water.  Photographic record.	<p>During construction, edge of the development envelope once area has been cleared.</p> <p>During operation, drainage infrastructure, specifically:</p> <ul style="list-style-type: none"> <li>On PDNH: <ul style="list-style-type: none"> <li>Culverts (upstream and downstream).</li> <li>Bio-retention swales.</li> <li>Infiltration basins.</li> </ul> </li> <li>On Great Northern Highway: <ul style="list-style-type: none"> <li>Culvert located between Claypans of the SCP and Ellen Brook.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Backwater or ponding of water.</li> </ul>	Immediately after significant rainfall events (over 15 mm rainfall), and then daily for three days during construction and post-construction, while standing water is present.	<p>Presence of backwater or ponding of water over a period of two consecutive days at distances further than:</p> <ul style="list-style-type: none"> <li>6 m from the edge of the development envelope; or</li> <li>3 m from the edge of the development envelope during the first year post-construction.</li> </ul>	<p>Potentially non-conforming.</p> <p>Selected culverts are monitored as specified in the FV Inland Waters Hydrological Processes CEMP. These numbers are not specified in the Indirect Impacts CEMP. Suggest amending Indirect Impacts CEMP to include the culverts to be monitored.</p>
Changes in surface water regime	Visual observation for evidence of unauthorised project activity or ground disturbance.  Photographic record.	<ul style="list-style-type: none"> <li>Local catchment for <i>Darwinia foetida</i>; i.e. on Great Northern Highway: <ul style="list-style-type: none"> <li>Culvert and alignment embankment located</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Evidence of unauthorised project activity or ground disturbance.</li> </ul>	Weekly during construction.	Not applicable.	Conforming

Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
		<p>between the Claypans of the SCP and the Ellen Brook.</p> <ul style="list-style-type: none"> <li>- Road train assembly area.</li> <li>• Local catchment for <i>Grevillea curviloba</i> subsp. <i>incurva</i>; i.e. existing road reserve between Brand Highway and the railway adjacent to the known <i>Grevillea curviloba</i> subsp. <i>incurva</i> population.</li> </ul>				
<b>Condition 11: Flora and Vegetation – Progressive Rehabilitation – Condition Environmental Management Plan</b>						
Commencement of rehabilitation	Rehabilitation has commenced within 12 months of the decommissioning of rehabilitation site.	The redundant section of Beechboro Road North.	Has rehabilitation commenced within 12 months of decommissioning Beechboro Road North?	Monthly starting at 9 months after decommissioning.	Rehabilitation not yet commenced nine months after decommissioning of redundant section of Beechboro Road North.	Not required at this stage
Weeds	Average weed cover across all quadrats < 10%. No declared pest weed species or WONS present.	The redundant section of Beechboro Road North.	Visual observation of weed cover in 10 x 10 m monitoring plot. Record observations at each plot. Photographic record at each plot.	Post revegetation. Quarterly for three years. After initial three years, annually in spring until	Weed infestation > 5% after first year. Declared pest weeds or WONS present.	Not required at this stage

Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
			Refer to Appendix A for detailed method.	completion criterion is met.		
Species richness	Total native species richness across the rehabilitation site is a minimum of 46 native species. Species richness per 100 m <sup>2</sup> averages more than 26 native species. All tree species present. Shrub species richness per quadrat at least nine species.	The redundant section of Beechboro Road North.	Visual observation of species richness, shrub species richness, and tree species richness within 10 x 10 m monitoring plot. Count of total species richness across the site. Photographic record at each plot. Refer to Appendix A for detailed method.	Post revegetation. Annually in spring for three years or until completion criterion is met.	Native species richness < 20 two years from completion of seeding, planting or topsoil respread. One or more tree species not present.	Not required at this stage
Vegetation cover	Mean vegetation cover of native species is more than 50% across revegetation area.	The redundant section of Beechboro Road North.	Visual observation of vegetation cover within 10 x 10 m monitoring plot. Refer to Appendix A for detailed method.	Post revegetation. Annually in spring for three years or until completion criterion is met.	Mean vegetation cover of native species < 50% after two years.	Not required at this stage
<b>Condition 12: Fauna – Construction – Condition Environmental Management Plan</b>						
<b>Management target 1:</b> Fauna underpasses and the fauna bridge will be designed, situated and constructed using best practice guidelines in consultation with a fauna underpass specialist, and based on data from the fauna movement survey.						
Fauna underpass design.	Fauna underpasses will be designed in accordance with MRWA Design of Fauna Underpasses, situated in areas based on data from	All fauna underpass locations (once constructed).	Within design specification. Presence of furniture (dual-use underpasses excluded).	Once, on installation of the underpass.	N/A – The underpass will be in or out of specification.	Conforming



Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
	the fauna movement survey and constructed with consideration of guidance where available.					
Fauna bridge design	The fauna bridge will be designed and constructed in accordance with best practice guidelines and located based on data from the fauna movement survey.	Maralla Road fauna bridge.	Within design specification. Presence of furniture.	Once, on installation of the fauna bridge.	N/A – The fauna bridge will be in or out of specification	Conforming
			Vegetation cover.	Annually for three years, to assess vegetation cover.	Less than 30% vegetation cover after two years.	Not required at this stage
<b>Management target 2: Minimise mortality of conservation significant fauna during construction.</b>						
Mortality of conservation significant species.	Conduct walkover inspection of cleared areas for conservation significant species.	Within cleared areas containing native vegetation.	Number of fauna seen during clearing activities.	Daily after clearing has occurred.	Encounter two or more live or injured conservation significant species during clearing activities.	Conforming
	Inspect trenches for trapped conservation significant fauna.	Trenches located in areas containing native vegetation.	Number of fauna found in trenches.	Daily (early in the morning) and immediately prior to backfilling.	Encounter two or more live or injured conservation significant species found in trench.	Conforming

Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
<b>Management target 3: No disturbance of active Black Cockatoo nests.</b>						
Disturbance of Black Cockatoo nests.	Observe marked breeding tree hollows for signs of disturbance by use of cameras on poles or cherry pickers.  Conduct walkover inspection of applied 10 m buffers around marked breeding trees for signs of disturbance.	Marked breeding trees and their applied 10 m buffers.	Signs of disturbance (temporary fence moved, prematurely vacated nests, broken eggs, and dead fledglings).	Weekly until fledglings leave the nest.	Construction works (especially clearing) occurring in the breeding season (August to December), within close proximity of marked breeding tree buffers.	Conforming
<b>Condition 15: Amenity (Noise) – Condition Environmental Management Plan</b>						
Effectiveness of noise walls.	Noise monitoring will be conducted in accordance with AS 2702:1984 'Acoustics – Methods for measurement of road traffic noise' and SPP 5.4 Implementation Guidelines Appendix C – Guidelines for measurements and on-site verification.  The monitoring will include:	Existing noise sensitive properties located south of Maralla Road.	Below limit of $L_{Aeq} (Day)$ 60 dB(A) and $L_{Aeq} (Night)$ 55 dB(A) at noise sensitive properties south of Maralla Road.	Once in each 12-month period following the opening of the proposal, for a total of 5 years. The first monitoring event will be within 6 months of opening the proposal.	Noise monitoring for properties south of Maralla Road records noise levels of $L_{Aeq} (Day)$ 55 dB(A) or $L_{Aeq} (Night)$ 50 dB(A).	Not required at this stage
		Existing noise sensitive properties located south of Maralla Road from which a complaint has been received		Within 1 month of receiving complaint.		Not required at this stage

Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
	<ul style="list-style-type: none"> <li>• Record noise levels at existing noise sensitive properties located south of Maralla Road.</li> <li>• Compare levels against SPP 5.4 limit criteria.</li> <li>• Compare against modelled noise predictions.</li> </ul>	<p>during the first 6 months of operation.</p> <p>(Note that monitoring at affected properties is subject to landowner permission.)</p>				

Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
Affected landowners.	Consult with affected landowners and record the outcomes of consultation.	Premises north of Maralla Road as shown in Figure 7 of Schedule 1 of Ministerial Statement No. 1036.	All affected landowners defined in condition 15-2(3) have been consulted regarding additional noise mitigation measures.	At least once with each affected landowner during the first 12 months of construction.  At least once with each affected landowner during the first six months of operation of the proposal.	Six months after commencement of construction there are one or more landholders who have not been consulted.	Conforming.  Construction is not complete, therefore monitoring during operation is not yet required.
Noise complaints.	Address noise complaint in a timely manner.  Record number of complaints in the noise complaints register.	Existing noise sensitive properties along alignment.	Noise complaints to be closed out within 30 days.  Number and location of complaints.	During the first five years of operation of the proposal.	Complainant has not been contacted by MRWA within 7 days of complaint being recorded.	Not required at this stage

**Table 4.5 Hydrological monitoring actions to be implemented**

Environmental value	Method summary	Monitoring sites	Parameters to be analysed	Frequency (during construction)	Frequency (post-construction)	Status
<b>Condition 13: Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan</b>						
Groundwater quality in GUWPCA  Surface water quality in Ellen Brook	<p><b>Groundwater quality:</b></p> <ul style="list-style-type: none"> <li>Gauge 19 groundwater monitoring wells.</li> <li>Measure physicochemical water quality, using a calibrated water quality meter.</li> <li>Collect groundwater samples using a passive sampling device or other industry accepted method deemed suitable for groundwater monitoring purposes.</li> </ul> <p><b>Surface water quality:</b></p> <ul style="list-style-type: none"> <li>Measure physicochemical water quality at four surface water locations and collect samples.</li> <li>To ensure a representative and comparable baseline dataset, three surface water samples are to be collected from each wetland sampling location.</li> </ul>	<p><b>Sampling group GUWPCA</b></p> <p>MW7, MW8, MW9, MW10, MW11, MW12, MW13, MW14, MW15, MW16, MW17, MW18, MW19, MW20, MW21, MW22, MW23, MW24, MW25</p> <p><b>Sampling group Ellen Brook</b></p> <p>SWL18, SWL20, SWL21, SWL22</p>	<ul style="list-style-type: none"> <li>Metals</li> <li>Nutrients and physical parameters</li> </ul>	<p>Fortnightly in active dewatering zones.</p> <p>Monthly in construction zones.</p> <p>Quarterly in all other areas (March, June, September and December).</p>	Biannually (March and September).	Conforming
			<ul style="list-style-type: none"> <li>Polycyclic aromatic hydrocarbons (PAH)</li> <li>Total recoverable hydrocarbons (TRH)/benzene, toluene, ethylbenzene and xylenes (BTEX)</li> </ul>	<p>Monthly in construction zones.</p> <p>Quarterly in all other areas (March, June, September and December).</p>		Conforming
			<ul style="list-style-type: none"> <li>Herbicide</li> </ul>	<p>Monthly in construction zones.</p>		Conforming



Environmental value	Method summary	Monitoring sites	Parameters to be analysed	Frequency (during construction)	Frequency (post-construction)	Status
	All sampling is to be undertaken in accordance with relevant guidelines and standard operating procedures.					
<b>Condition 14: Flora and vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan</b>						
Groundwater and surface water quality relevant to Claypans of the Swan Coastal Plain, Communities of Tumulus Springs and CCWs.	<p><b>Groundwater quality:</b></p> <ul style="list-style-type: none"> <li>Measure physicochemical water quality, using a calibrated water quality meter.</li> <li>Collect groundwater samples using a passive sampling device or other industry accepted method deemed suitable for groundwater monitoring purposes.</li> </ul> <p><b>Surface water quality:</b></p> <ul style="list-style-type: none"> <li>Measure physicochemical water quality at the surface water locations and collect samples, if surface water is present. Note observations if no surface water is present at the time of survey.</li> <li>To ensure a representative and comparable baseline dataset, three surface water samples are to be</li> </ul>	<p><b>Sampling group Claypans of the Swan Coastal Plain</b></p> <p>SWL20</p> <p>MW50, MW51, MW52</p> <p><b>Sampling group Communities of Tumulus Springs</b></p> <p>SWL17</p> <p>MW40, MW41, MW42</p> <p><b>Sampling group CCWs</b></p> <p>SWL1, SWL2, SWL3, SWL4, SWL5, SWL6, SWL7, SWL8, SWL9, SWL10, SWL11, SWL12, SWL15, SWL16, SWL17</p> <p>MW1, MW2, MW3, MW4, MW5, MW6, MW10, MW11, MW12, MW26, MW27,</p>	<ul style="list-style-type: none"> <li>Metals</li> <li>Nutrients and physical parameters</li> </ul>	<p>Fortnightly in active dewatering zones.</p> <p>Monthly in construction zones.</p> <p>Quarterly in all other areas (March, June, September and December).</p>	Biannually (March and September).	Conforming
			<ul style="list-style-type: none"> <li>Polycyclic aromatic hydrocarbons (PAH)</li> <li>Total recoverable hydrocarbons (TRH)/benzene, toluene, ethylbenzene and xylenes (BTEX)</li> </ul>	<p>Monthly in construction zones.</p> <p>Quarterly in all other areas (March, June, September and December).</p>		Conforming

Environmental value	Method summary	Monitoring sites	Parameters to be analysed	Frequency (during construction)	Frequency (post-construction)	Status
	<p>collected from each wetland sampling location.</p> <p>All sampling is to be undertaken in accordance with relevant guidelines and standard operating procedures.</p>	MW28, MW29, MW30, MW31, MW32, MW36, MW37, MW38, MW39, MW40, MW41, MW42, MW55	<ul style="list-style-type: none"> <li>• Herbicide</li> </ul>	Monthly in construction zones.		Conforming
Basin sediment quality relevant CCWs.	<p>Collect basin sediment samples using a passive sampling device or other industry accepted method deemed suitable for sediment monitoring purposes.</p> <p>All sampling is to be undertaken in accordance with relevant guidelines and standard operating procedures.</p>	<p><b>Basin monitoring sites</b></p> <p>B04, B05, B06, B20, B21, B22</p>	<ul style="list-style-type: none"> <li>• Metals</li> <li>• Organics</li> </ul>	Once after installation	Annually	Not required at this stage
Surface water level relevant to Claypans of the Swan Coastal Plain, Communities of Tumulus Springs and CCWs.	Measure surface water level.	<p><b>CCW</b></p> <p>SWL1</p> <p><b>Communities of Tumulus Springs</b></p> <p>SWL17</p> <p><b>Claypans of the Swan Coastal Plain</b></p> <p>SWL20</p>	<ul style="list-style-type: none"> <li>• Surface water level</li> </ul>	<p>Fortnightly in active dewatering zones.</p> <p>Monthly in construction zones.</p> <p>Quarterly in all other areas.</p>	Biannually.	<p>Non-conforming</p> <p>Surface water level not monitored monthly.</p>

Environmental value	Method summary	Monitoring sites	Parameters to be analysed	Frequency (during construction)	Frequency (post-construction)	Status
Groundwater level relevant to Claypans of the Swan Coastal Plain, Communities of Tumulus Springs and CCWs.	Gauge groundwater monitoring wells.	<p><b>Sampling group Communities of Tumulus Springs</b></p> <p>MW40, MW41, MW42</p> <p><b>Sampling group CCWs</b></p> <p>MW1, MW2, MW3, MW4, MW5, MW6, MW10, MW11, MW12, MW26, MW27, MW28, MW29, MW30, MW31, MW32, MW36, MW37, MW38, MW39, MW40, MW41, MW42, MW43, MW55</p>	<ul style="list-style-type: none"> <li>Groundwater level</li> </ul>	<p>Fortnightly in active dewatering zones.</p> <p>Monthly in construction zones.</p> <p>Quarterly in all other areas.</p>	Biannually.	Conforming
Wetland flora and vegetation relevant to Claypans of the Swan Coastal Plain, Communities of Tumulus Springs and CCWs.	Undertake wetland flora and vegetation stress monitoring using two transects perpendicular and parallel to the wetland with a 5 x 5 m quadrat placed in the corner of the joining transect lines. Refer to Appendix C.	<p><b>Wetland (CCW) flora and vegetation transect sites</b></p> <p>GHD12, SVB020, GHD21, SVB040, SVB044, SVB048, SVB052, SVB056</p> <p><b>Communities of Tumulus Springs flora and vegetation transect site</b></p> <p>SVB098</p> <p><b>Claypans of the Swan Coastal Plain flora and vegetation transect sites</b></p>	<p>Within the 5 x 5 m plot:</p> <ul style="list-style-type: none"> <li>Level of plant stress (0-4 scale) (refer to Appendix C).</li> </ul> <p>Other parameters that may inform the level of plant stress are provided in Appendix C.</p>	Annually in spring in construction zones	Annual spring surveys.	<p>Non-conforming</p> <p>Quarterly flora and vegetation report methods do not comply with specified methodology and not all parameters monitored.</p>

Environmental value	Method summary	Monitoring sites	Parameters to be analysed	Frequency (during construction)	Frequency (post-construction)	Status
		SVB086, SVB085				
Surface water flows to <i>Darwinia foetida</i>	Visual observation for evidence of unauthorised construction or maintenance works. Photographic record.	40 m and 10 m monitoring buffers established around the known population of <i>Darwinia foetida</i> (FV37B).	<ul style="list-style-type: none"> <li>• Construction or maintenance works.</li> <li>• Presence of laydown areas.</li> <li>• Presence of stockpiles.</li> </ul>	<ul style="list-style-type: none"> <li>• Weekly during construction.</li> </ul>	Biannually.	Addressed under FV Indirect Impacts CEMP
Surface water flows to Claypans of the Swan Coastal Plain, Communities of Tumulus Springs and CCWs	Visual inspection and measurement of backwater or ponding of water.	<p>PDNH culvert monitoring sites</p> <p>3, 4, 5, 6, 7, 14, 16, 17, 32, 33, 40, 41, 44, 73, 74, 75, 76 (edge of development envelope if culvert not installed at time of monitoring).</p> <p>Existing culvert under Great Northern Highway between Claypans of the Swan Coastal Plain and Ellen Brook in Muchea (during operations only).</p>	<ul style="list-style-type: none"> <li>• Backwater or ponding of water.</li> </ul>	Immediately after significant rainfall events (over 15 mm rainfall), and then daily for three days while standing water is present.	Immediately after significant rainfall events (over 15 mm rainfall), and then daily for three days while standing water is present.	Conforming

#### 4.2.1 Condition Environmental Management Plans (outcome based)

Monitoring was undertaken during the reporting period as required by the following:

- Condition 13: Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan.
- Condition 14: Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan.

Monthly monitoring was undertaken in both the Central and Northern sections from September 2017 to August 2018, inclusive.

Numerous exceedances of groundwater and surface water trigger and threshold criteria have been identified in relation to:

- Nutrients.
- Total dissolved solids.
- E. coli.
- Metals.
- Hydrocarbons.
- BTEX.
- pH.
- General parameter analytes.

All exceedances, except for one, are not considered to be a result of implementation of the proposal. Reports with further details on the exceedances are provided in Appendix C.

**Table 4.6 Inland Waters Environmental Quality – Hydrological Processes – Condition EMP reporting table**

<b>Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan Ministerial Statement No. 1036, condition 13</b>		
<b>Condition environmental outcome</b>	<b>Reporting on the threshold criteria</b>	<b>Status</b>
<b>Condition environmental outcome 1:</b> Construction and operation of the proposal shall not result in an acceptable decline in water quality of the GUWPCA>	A number of exceedances of groundwater threshold criteria (Appendix B of the CEMP) were recorded.	Compliant Exceedances are not attributable to the proposal.
<b>Condition environmental outcome 2:</b> The construction and operation of the proposal shall not result in an unacceptable decline in water quality of the Ellen Brook as confirmed by monitoring for a period of 5 years post construction.	A number of exceedances of surface water quality threshold (Appendix C of the CEMP) were recorded.	Compliant Exceedances are not attributable to the proposal.
<b>Conditioned management actions</b>	<b>Reporting on other conditioned requirements</b>	<b>Status</b>
<b>Condition 13-8:</b>	An area at Park Street, located within a well-head protection zone contains inert materials	Compliant





Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan Ministerial Statement No. 1036, condition 13		
The proponent shall not construct any laydown areas, stock piles or store chemicals within the well head protection zones in the GUWPCA>	that are moved in and out of the area daily as used. It does not meet the definition of a 'laydown area' as defined by the EPA.	
<p><b>Condition 13-9:</b></p> <p>Any fuel or chemicals stored within the GUWPCA shall:</p> <ol style="list-style-type: none"> <li>1. be contained within double lined fuel storage tanks;</li> <li>2. not exceed an individual storage tank capacity of 5,000 L;</li> <li>3. be placed in bunds capable of storing 125% of the capacity of the largest storage tank; and</li> <li>4. not be located within well head protection zones.</li> </ol>	Inspection of Central section identified several small chemical containers and jerry cans in shipping containers that were not bunded.	Non-compliant
<p><b>Condition 13-10:</b></p> <p>The proponent shall not construct infiltration basins, including bio-retention basins, within 100m of drinking water production wells within the GUWPCA.</p>	<p>Design drawing and design review undertaken in relation to a basin in area 20, north of Hepburn Ave / south of Baal Rd. Review concluded that the basin is not intended to function as a bio-retention basin as it is not for infiltration. It is a landscape depression.</p> <p>There is a proposed bioretention linear swale drain located within the 100m buffer zone of the same drinking water production well. This is a linear drain and therefore is not an infiltration basin, it drains into an infiltration basin to the east of the alignment.</p>	Compliant

Table 4.7 sets out the reporting template for the Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan against the condition environmental outcome and environmental criteria to be included in the CAR.

**Table 4.7 Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan reporting table**

Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan Ministerial Statement No. 1036, condition 14				
Condition environmental outcome	Environmental criteria	Status justification	Status	
Construction and operation of the proposal, including from dewatering and groundwater abstraction, does not result in	<p><b>Trigger criterion 1</b></p> <p>Groundwater quality trigger criteria listed in Appendix A of the CEMP.</p>	No project attributable exceedances of trigger criterion.	Satisfactory to date	



**Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan Ministerial Statement No. 1036, condition 14**

Condition environmental outcome	Environmental criteria	Status justification	Status
indirect impacts to the Claypans of the Swan Coastal Plain and Communities of Tumulus Springs (Organic Mound Springs, Swan Coastal Plain) and Conservation Category Wetlands as shown in figures 5 and 6 of MS1036.	Surface water quality trigger criteria listed in Appendix B of the CEMP.  Basin sediment quality trigger criteria listed in Table 8 of the CEMP.		
	<b>Threshold criterion 1</b>  Groundwater quality trigger criteria listed in Appendix A of the CEMP.  Surface water quality trigger criteria listed in Appendix B of the CEMP.  Basin sediment quality trigger criteria listed in Table 8 of the CEMP	No project attributable exceedances of trigger criterion.	Satisfactory to date
	<b>Trigger criterion 2</b>  Groundwater level trigger criteria listed in Appendix A of the CEMP.	No project attributable exceedances of trigger criterion.	Satisfactory to date
	<b>Threshold criterion 2</b>  Groundwater level threshold criteria listed in Appendix A of the CEMP.	No project attributable exceedances of threshold criterion.	Satisfactory to date
	<b>Trigger criterion 3</b>  Observed plant stress rating 2 (Appendix C of the CEMP)	No plant stress recorded at any sites.	Achieved
	<b>Threshold criterion 3</b>  Observed plant stress rating 3 (Appendix C of the CEMP)	No plant stress recorded at any sites.	Achieved
	Construction of the proposal maintains predevelopment surface flows to the <i>Darwinia foetida</i> , Claypans of the Swan Coastal Plain and Communities of Tumulus Springs (Organic Mound Springs, Swan Coastal Plain) and Conservation Category Wetlands.	<b>Trigger criterion 4</b>  Construction or maintenance works within 40m of the known population of <i>Darwinia foetida</i> .	Not recorded
<b>Threshold criterion 4</b>  Construction or maintenance works within 10m of the known		Buffer inspections verify flagging and temporary	Achieved



**Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan Ministerial Statement No. 1036, condition 14**

Condition outcome	environmental	Environmental criteria	Status justification	Status
		population of <i>Darwinia foetida</i> .	construction fences in place.	
		<b>Trigger criterion 5</b> Presence of backwater or ponding of water from the edge of the development envelope over a period of two consecutive days from the date ponding was identified at distances further than 6m.	No exceedances detected	Satisfactory to date
		<b>Threshold criterion 5</b> Presence of backwater or ponding of water from the edge of the development envelope over a period of two consecutive days from the date ponding was identified at distances further than 10m.	No exceedances detected	Satisfactory to date

## 5 SUPPORTING/VERIFYING INFORMATION

A range of supporting/verifying information was utilised to prepare this CAR, including:

- Independent auditor report on annual compliance audit (Umwelt, 2018b).
- NorthLink compliance register 2018 (Umwelt, 2018b).
- Correspondence.

An annual compliance audit was undertaken by independent auditors, Umwelt.

Table 5.1 identifies those parties that were interviewed by Umwelt for the purposes of this CAR.

**Table 5.1 Personnel interviewed for this CAR**

<b>Personnel</b>	<b>Position, Company</b>
John Braid	Principal Environment Officer, Main Roads Western Australia
Troy Hindmarsh	Environmental Manager for Great Northern Connect (Construction Contractor Central Section)
Tim Williamson	Environmental Manager for CPB (Construction Contractor Northern Section)

Key pieces of verifiable information for assessment of implementation of MS 1036 conditions is referenced in Appendix C and provided separately in electronic format.



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## 6 OTHER INFORMATION

The proponent does not have any other information to provide in this CAR. No changes are proposed to the Compliance Assessment Plan.



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## 7 REFERENCES

Bureau of Meteorology (BoM). 2018. *Climate data online* [Online], Available at: <http://www.bom.gov.au/climate/data/>. Australian Government.

Coffey Service Australia Pty Ltd (Coffey) 2017a. *Compliance Assessment Report Perth-Darwin National Highway (Swan Valley Section) Coffey 2017a*. Report prepared for Main Roads Western Australia.

Coffey Service Australia Pty Ltd (Coffey) 2017b. *Baseline Survey Report. Inland Water Environmental Quality – Hydrological Processes. Perth to Darwin National Highway (Swan Valley Section) October 2017*. Report prepared for Main Roads Western Australia.

Coffey Service Australia Pty Ltd (Coffey) 2017c. *Baseline Survey Report. Flora and Vegetation - Inland Waters Environmental Quality – Hydrological Processes. Perth to Darwin National Highway (Swan Valley Section). October 2017*. Report prepared for Main Roads Western Australia.

Umwelt. 2018a. *Briefing Note: Ministerial Statement 1036, CEMPs Audit, Preliminary Findings*. Report prepared for Main Roads Western Australia.

Umwelt. 2018b. *NorthLink Compliance Register*. Report for Main Roads Western Australia.





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APPENDIX A

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# Compliance status of key characteristics



**Table A1 Key characteristics of proposal, Attachment 2 Ministerial Statement No. 1036**

Element	Description of Proposal	Status	Further information
<p>Clearing and disturbance for road corridor, drainage structures including infiltration and bioretention basins and swales, laydowns, bridges and culverts, fauna fencing, fauna underpasses, noise walls, road train assembly area and principal shared path.</p>	<p>Clearing and disturbance of no more 765.07 ha consisting of up to 206 ha of native vegetation. This includes up to:</p> <ul style="list-style-type: none"> <li>• 129.9 ha of Bush Forever areas.</li> <li>• 0.4 ha of Class A Nature Reserve 46920.</li> <li>• 0.2 ha of Class A Nature Reserve 46919.</li> <li>• 32.6 ha of Gngangara-Moore River State Forest No. 65.</li> <li>• 4 ha of Floristic Community Type SCP 20a Threatened Ecological Community.</li> <li>• 31.9 ha of <i>Caladenia huegelii</i> critical habitat.</li> <li>• 2 ha of <i>Grevillea curviloba</i> subsp. <i>incurva</i> critical habitat.</li> <li>• 16 ha of Conservation Category Wetlands.</li> </ul> <p>Within a 1,004.07 ha development envelope.</p>	<p>Compliant</p>	<p>Total clearing and disturbance, based on shapefiles provided for the clearing areas, is approximately 677.05 ha, consisting of approximately 135.2 ha of native vegetation. This includes approximately:</p> <ul style="list-style-type: none"> <li>• 92.5 ha of Bush Forever areas (based on intact native vegetation definition).</li> <li>• 0.06 ha of Class A Nature Reserve 46920 (based on intact native vegetation definition).</li> <li>• 0.2 ha of Class A Nature Reserve 46919 (based on intact native vegetation definition; it is noted that the shapefiles indicate 0.2487 ha has been cleared; for which this number has been rounded down to 0.2 ha noting that sometimes there are errors in GIS data accuracy).</li> <li>• 27.3 ha of Gngangara-Moore River State Forest No. 65</li> </ul>

Element	Description of Proposal	Status	Further information
			<p>(based on intact native vegetation definition).</p> <ul style="list-style-type: none"> <li>• 3.9 ha of Floristic Community Type SCP 20a Threatened Ecological Community.</li> <li>• 29.8 ha of <i>Caladenia huegelii</i> critical habitat.</li> <li>• 0 ha of <i>Grevillea curviloba</i> subsp. <i>incurva</i> critical habitat.</li> <li>• 13.2 ha of Conservation Category Wetlands.</li> </ul> <p>It is noted that clearing shapefiles show clearing occurred outside of the development envelope around the Reid Highway intersection, however, it is understood that this clearing is addressed by other approval instruments (i.e. Main Roads state-wide clearing permit CPS 818/12, CPS 6456/1 and EPBC Act approval 2014/7385, and Ministerial Statement No. 376). It is also noted that stockpiles, laydown areas and site compounds are located outside the development envelope, which is understood to have occurred in already cleared areas and under</p>

Element	Description of Proposal	Status	Further information
			<p>alternative arrangements to MS 1036.</p> <p>D001, D002</p>
Noise walls	Height of noise walls to be no more than 5 m on residential boundaries between Reid Highway and south of Maralla Road.	Compliant	<p>Noise wall height at receivers 483 to 486 has been increased to 5.5 m to achieve noise limits. These walls are offset from property boundaries and are adjacent to the road alignment. The properties in this location are also elevated above the road, so the top of the noise walls will be less than required 5 m.</p>



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APPENDIX B

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# Audit table



### Perth-Darwin National Highway (Swan Valley Section)

- Phases that apply in this table: Pre-Construction, Construction, Operation, Decommissioning, Overall (several phases).
- This audit table is a summary of the requirements applying to this proposal. Refer to the Ministerial Statement issued for the proposal under Part IV of the *Environmental Protection Act 1986* for details/precise wording of audit elements.
- Code prefixes: M = Minister's condition, P = Proponent's commitment, N = Procedure.
- Abbreviations: CAR = Compliance Assessment Report; CEO = Chief Executive Officer of the OEPA; Minister for Env. = Minister for the Environment; MS = Ministerial Statement; OEPA = Office of the Environmental Protection Authority.

**Table B1 Audit details**

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M1.1	Proposal Implementation	When implementing the proposal, the proponent shall not exceed the authorised extent of the proposal as defined in Table 2 in Schedule 1, unless amendments to the proposal and the authorised extent of the proposal have been approved under the EP Act.	Implement project pursuant to Table 2 in Schedule 1 of Ministerial Statement No. 1036.	CAR.	Overall	Annually	Compliant	s45C change to proposal, and clearing limits, approved 7 June 2017. Appendix A.
MS1036: M2.1	Contact Details	The proponent shall notify the CEO of any change of its name, physical address or postal address for the serving of notices or other correspondence within twenty eight (28) days of such change. Where the proponent is a corporation or an association of persons, whether incorporated or not, the postal address is that of the principal place of	Notify the CEO in writing of any change to proponent details.	Copy of written notification to CEO of any change in proponent details.	Overall	Within twenty eight (28) days of such change.	Not required at this stage	Interview and review of website contact details indicated no changes have occurred during the reporting period.



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M3.1	Time Limit for Proposal Implementation	business or of the principal office in the State. The proponent shall not commence implementation of the proposal after five (5) years from the date on this Statement, and any commencement, prior to this date, must be substantial.	Provide evidence to the CEO in writing to demonstrate the proposal has substantially commenced.	CAR.	Construction	Implement proposal within five (5) years from date on Ministerial Statement No. 1036.	Completed	Ground disturbance associated with the proposal commenced on 31 March 2017, prior to 20 September 2021. Reported in the 2017 CAR (Coffey 2017a).
MS1036: M3.2	Time Limit for Proposal Implementation	Any commencement of implementation of the proposal, on or before five (5) years from the date of this Statement, must be demonstrated as substantial by providing the CEO with written evidence, on or before the expiration of five (5) years from the date of this Statement.	Provide evidence to the CEO in writing to demonstrate the proposal has substantially commenced.	Copy of written notification to CEO of substantial commencement.	Construction	Implement proposal within five (5) years from date on Ministerial Statement No. 1036.	Completed	Ground disturbance commenced on 31 March 2017, as reported in the 2017 CAR (Coffey 2017).
MS1036: M4.1	Compliance Reporting	The proponent shall prepare, submit and maintain a Compliance Assessment Plan to the CEO at least six (6) months prior to the first Compliance Assessment Report required by condition 4-6, or prior to implementation, whichever is sooner.	Submit a Compliance Assessment Plan (CAP).	CAP.	Pre-construction	At least six (6) months prior to the first CAR required by condition 4-6, or prior to	Completed	The Plan was submitted in October 2016. The first CAR was submitted in 2017 (Coffey 2017a).

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M4.2	Compliance Reporting	<p>The Compliance Assessment Plan shall indicate:</p> <ol style="list-style-type: none"> <li>(1) The frequency of compliance reporting.</li> <li>(2) The approach and timing of compliance assessments.</li> <li>(3) The retention of compliance assessments.</li> <li>(4) The method of reporting of potential non-compliances and corrective actions taken.</li> <li>(5) The table of contents of Compliance Assessment Reports.</li> <li>(6) Public availability of Compliance Assessment Reports.</li> </ol>	Submit CAP.	CAP.	Pre-construction	At least six (6) months prior to the first CAR required by condition 4-6, or prior to implementation, whichever is sooner.	Completed	CAP was approved by OEPA, as reported in the 2017 CAR (Coffey 2017a).
MS1036: M4.3	Compliance Reporting	After receiving notice in writing from the CEO that the Compliance Assessment Plan satisfies the requirements of condition 4-2 the proponent shall assess compliance with conditions in accordance with the Compliance Assessment Plan required by condition 4-1.	Once approval is received from the CEO, commence compliance assessment in accordance with the CAP.	CEO letter approving the CAP.	Overall	After written approval from the CEO.	Compliant	This CAR is the second CAR. The first is kept as a record on the website.



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M4.4	Compliance Reporting	The proponent shall retain reports of all compliance assessments described in the Compliance Assessment Plan required by condition 4-1 and shall make those reports available when requested by the CEO.	Retain CAR's and make available when requested.	CAR.	Overall	As requested by the CEO.	Not required at this stage	This CAR is the second one. The first is kept as a record on the website.
MS1036: M4.5	Compliance Reporting	The proponent shall advise the CEO of any potential non-compliance within seven (7) days of that non-compliance being known.	Notify the CEO of potential non-compliances in writing and/or verbally.	Written notification. CAR.	Overall	Within seven (7) days of that non-compliance being known.	Compliant	The non-conformances and potential non-conformances with the CEMPs noted in this CAR were reported within the specified timeframe. R002
MS1036: M4.6	Compliance Reporting	The proponent shall submit to the CEO the first Compliance Assessment Report fifteen (15) months from the date of issue of this Statement addressing the twelve (12) month period from the date of issue of this Statement and then annually from the date of submission of the first Compliance Assessment Report, or as otherwise agreed in writing by the CEO.	Submit a CAR within required timeframe reporting on the previous 12 months.	CAR.	Overall	Initial CAR within 15 months from date of Ministerial Statement No. 1036. Annually from date of submission of first CAR or a	Compliant	This CAR is the second CAR and addresses the requirements of the condition, where required. This CAR will be made publicly available on the Main Roads website, as has

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M5.1	Public Availability of Plans and Reports	<p>The Compliance Assessment Report shall:</p> <p>(1) Be endorsed by the proponent's Chief Executive Officer or a person delegated to sign on the Chief Executive Officer's behalf.</p> <p>(2) Include a statement as to whether the proponent has complied with the conditions.</p> <p>(3) Identify all potential non-compliances and describe corrective and preventative actions taken.</p> <p>(4) Be made publicly available in accordance with the approved Compliance Assessment Plan.</p> <p>(5) Indicate any proposed changes to the Compliance Assessment Plan required by condition 4-1.</p>	All environmental plans and reports required by MS1036 are made publicly available.	CAR.	Overall	For the life of the proposal as approved by the CEO.	Compliant	OEPA approved public availability of documents being via Main Roads website, as reported in the 2017 CAR (Coffey 2017a).



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M5.2	Public Availability of Plans and Reports	<p>If any parts of the plans or reports, referred to in condition 5-1 contains particulars of:</p> <ol style="list-style-type: none"> <li>(1) A secret formula or process.</li> <li>(2) Confidential commercially sensitive information.</li> <li>(3) The location of threatened species or other important environmental assets that may be potentially harmed if their location was published.</li> </ol> <p>The proponent may submit a request for approval from the CEO to not make</p>	Submit a request for approval from the CEO to not make sensitive information publicly available.	Copy of written request to CEO. CEO approval.	Overall	As required.	Not required at this stage	<p>Website available at:  <a href="https://project.mainroads.wa.gov.au/northlinkwa/Community%20Environment/Pages/Environment%20Assessment.aspx">https://project.mainroads.wa.gov.au/northlinkwa/Community%20Environment/Pages/Environment%20Assessment.aspx</a>            x            16 documents approved and all available on the website.</p> <p>No request has been made.</p>



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M6.1	Infrastructure Plan	<p>these data publicly available. In making such a request the proponent shall provide the CEO with an explanation and reasons why those parts of the plans or reports should not be made publicly available.</p> <p>The proponent shall demonstrate that the proposal is designed and constructed consistent with the authorised extent(s) as referred to in Table 2 in Schedule 1 in order to meet the following environmental objectives:</p> <ol style="list-style-type: none"> <li>(1) Minimise direct and indirect impacts to conservation significant terrestrial fauna.</li> <li>(2) Minimise impacts to hydrological regimes of surface water.</li> <li>(3) Minimise impacts to the quality of groundwater and surface water.</li> <li>(4) Minimise impacts to amenity as low as reasonable practicable.</li> </ol> <p>Through the implementation of conditions 6-2 to 6-5.</p>	Prepare and implement the Infrastructure Plan.	<p>Pre-construction Infrastructure Plan.</p> <p>Post-construction Infrastructure Report.</p>	Overall	<p>Prior to the commencement of ground disturbing activities (pre-construction Infrastructure Plan).</p> <p>Six (6) months following completion of construction (post-construction Infrastructure Report), or as agreed by the CEO.</p>	<p>Completed in regard to design.</p> <p>Not required at this stage in regard to construction.</p>	<p>OEPA approved the design documented in the Infrastructure Plan, as reported in the 2017 CAR (Coffey 2017a). Appendix A of this CAR shows compliance with clearing limits during this audit period.</p> <p>Construction is not complete. Appendix A</p>

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M6.2	Infrastructure Plan	<p>The proponent shall prepare and submit a pre-construction Infrastructure Plan which is to be approved by the CEO prior to the commencement of ground disturbing activities.</p> <p>The pre-construction Infrastructure Plan shall include:</p> <p>(1) The alignment, dimensions and locations of the key proposal elements as referred to in Columns 1 and 2 of Table 2 in Schedule 1.</p> <p>(2) The dimensions and locations of fauna underpasses and fauna fencing as referred to in Columns 1 and 2 of Table 2 in Schedule 1.</p> <p>Fauna underpass dimensions and locations should be consistent with the approved Fauna – Construction – Condition Environmental Management Plan as required by condition 12.</p> <p>(3) The design and locations of culverts and bridges as referred to in Columns 1 and 2 of Table 2 in Schedule 1.</p> <p>(4) The design and location of bioretention swales and</p>	Prepare an Infrastructure Plan pursuant to M6.2.	Infrastructure Plan. CEO approval.	Pre-Construction	Prior to the commencement of ground disturbing activities.	Completed	Infrastructure Plan was approved 15 March 2017. Ground disturbing activities commenced on 31 March 2017, as reported in the 2017 CAR (Coffey 2017a).



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
		<p>infiltration basins in the vicinity of Ellen Brook and within the GUVPCA, consistent with the approved Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan as required by condition 13.</p> <p>(5) The dimensions and locations of noise walls as referred to in Columns 1 and 2 of Table 2 in Schedule 1, consistent with the approved Amenity (Noise) – Condition Environmental Management Plan.</p> <p>(6) Spatial data for the proposal elements as detailed in 6-2(1), 6-2(2), 6-2(3), 6-2(4) and 6-2(5).</p>						
MS1036: M6.3	Infrastructure Plan	The proponent may review and revise the pre-construction Infrastructure Plan required by condition 6-2, or shall review and revise the pre-construction Infrastructure Plan required as and when directed by the CEO.	Revise/review the Infrastructure Plan as and when required by the CEO.	Revised Infrastructure Plan. CEO approval.	Pre-construction	As notified by MRWA or as required by the CEO.	Not required at this stage.	
MS1036: M6.4	Infrastructure Plan	The revised pre-construction Infrastructure Plan shall be the Infrastructure Plan used for	Implement the revised pre-	CAR.	Pre-construction	Following receipt in writing from	Not required	

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M6.5	Infrastructure Plan	implementing construction, following receipt in writing from the CEO that the revised pre-construction Infrastructure Plan satisfies the requirements set out in condition 6-2.	construction Infrastructure Plan.		Construction	the CEO that the revised pre-construction Infrastructure Plan satisfies the requirements set out in condition 6-2.	at this stage.	
		The proponent shall prepare and submit a post-construction Infrastructure Report to confirm that the key elements of the proposal as referred to in Columns 1 and 2 of Table 2 in Schedule 1 were constructed in accordance with the requirements of condition 6-2, within six (6) months following the completion of construction, or as otherwise agreed in writing by the CEO. The post-construction Infrastructure Report shall include: (1) The alignment, dimensions and locations of the key proposal elements as referred to in Columns 1 and 2 of Table 2 in Schedule 1. (2) The dimensions and locations of fauna underpasses and fauna	Submit a post-construction Infrastructure Report.	Post-construction Infrastructure Report.	Operation	Within six (6) months following the completion of construction, or as otherwise agreed in writing by the CEO.	Not required at this stage	Construction not complete.





Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
		fencing as referred to in Columns 1 and 2 of Table 2 in Schedule 1. Fauna underpass dimensions and locations should be consistent with the approved Fauna – Construction – Condition Environmental Management Plan as required by condition 12.						
		(3) The design and locations of culverts and bridges as referred to in Columns 1 and 2 of Table 2 in Schedule 1.						
		(4) The design and location of bioretention swales and infiltration basins in the vicinity of Ellen Brook and within the GUWPCA, consistent with the approved Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan as required by condition 13.						
		(5) The dimensions and locations of noise walls as referred to in Columns 1 and 2 of Table 2 in Schedule 1, consistent with the approved Amenity (Noise) –						



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M7.1	Condition Environmental Management Plans (management based)	<p>Condition Environmental Management Plan.</p> <p>(6) Spatial data for the proposal elements as detailed in 6-5(1), 6-5(2), 6-5(3), 6-5(4) and 6-5(5).</p> <p>Prior to the commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO, the proponent shall prepare and submit Condition Environmental Management Plans to the satisfaction of the CEO to demonstrate that the environmental objectives in conditions 9-1, 10-1, 11-1, 12-1 and 15-1 will be met.</p>	Prepare and submit Condition Environmental Management Plans required by M9.1, M10.1, M11.1, M12.1 and M15.1.	Condition Environmental Management Plans required by M9.1, M10.1, M11.1, M12.1 and M15.1.	Pre-construction	Prior to the commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO.	Completed	Ground disturbing activities commenced on 31 March 2017. The Plans were approved as reported in the 2017 CAR (Coffey 2017a).
MS1036: M7.2	Condition Environmental Management Plans (management based)	<p>The Condition Environmental Management Plans shall:</p> <p>(1) Prioritise risk-based management actions that will be implemented to meet the environmental management objectives in conditions 9-1, 10-1, 11-1, 12-1 and 15-1.</p> <p>(2) Specify measurable management targets for determining the</p>	Prepare and submit Condition Environmental Management Plans required by M9.1, M10.1, M11.1, M12.1 and M15.1.	Condition Environmental Management Plans required by M9.1, M10.1, M11.1, M12.1 and M15.1.	Pre-construction	Prior to the commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO.	Completed	OEPA approval of all Plans, as reported in the 2017 CAR (Coffey 2017a).

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
		<p>efficacy of the risk-based management actions.</p> <p>(3) Specify monitoring to be conducted to measure the efficacy of management actions against management targets.</p> <p>(4) Specify, in the event that the management targets are not achieved a procedure for revision of management actions and changes to proposal activities. The procedure shall include an investigation to determine the cause of the management targets being exceeded.</p> <p>(5) Provide the format and timing for annual reporting required by condition 4-6 for:</p> <p>(a) Verification of the implementation of management actions to demonstrate that conditions 9-1, 10-1, 11-1, 12-1 and 15-1 have been met for the reporting period.</p> <p>(b) Reporting on the efficacy of management actions against management targets.</p>						



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M7.3	Condition Environmental Management Plans (management based)	(6) Provide for reporting when management actions are not implemented.  After receiving notice in writing from the CEO that a Condition Environmental Management Plans satisfies the requirements of condition 7-2 for conditions 9-1, 10-1, 11-1, 12-1 and 15-1, the proponent shall prior to the commencement of ground disturbing activities:  (1) Implement the provisions of the approved Condition Environmental Management Plans.  (2) Continue to implement the approved Condition Environmental Management Plans until the CEO has confirmed by notice in writing that the proponent has met the relevant objectives specified in the approved Condition Environmental Management Plan and no longer needs to implement that particular Condition Environmental Management Plan.	Implement the Condition Environmental Management Plans.	CAR.	Overall	Prior to the commencement of ground disturbing activities and then until the CEO has confirmed by notice in writing that the proponent has demonstrated the objectives specified in conditions 9-1, 10-1, 11-1, 12-1 and 15-1 have been met.	Compliant	The CEMPs required by Conditions 9-1, 10-1, 11-1, 12-1 and 15-1 were implemented prior to the commencement of ground disturbing activities and these plans continue to be implemented.  CEO has not confirmed that any plans no longer need to be implemented.

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M7.4	Condition Environmental Management Plans (management based)	In the event that monitoring, tests, surveys or investigations indicate that management actions specified in a Condition Environmental Management Plan are not implemented or that management targets specified in a Condition Environmental Management Plans are exceeded, the proponent shall:  (1) Report the exceedance or failure to implement management actions in writing within 7 days of identification.  (2) Investigate to determine the cause of the management actions not being implemented and/or management targets being exceeded.  (3) Investigate to provide information for the determination by the CEO of potential environmental harm or alteration of the environment that occurred due to the failure to implement management actions.  (4) Provide a report to the CEO within 60 days of the reporting	Report exceedances or failure to implement management actions within 7 days of identification.  Investigate cause of exceedance of failure to implement.  Investigate potential environmental harm, alteration of the environment.  Provide a report to the CEO within 60 days or the incident reported in condition 7-4(1).	Exceedance /Failure to Implement Report (condition 7-4(1)) and Investigation Report (condition 7-4(4)).	Overall	Initial exceedance/failure to implement report required by condition 7-4(1) within 7 days of identification.  Submit the investigation report required by condition 7-4(4) within 60 days of the initial report required by condition 7-4(1).	Compliant	Non-conformances and potential non-conformances were reported within 7 days of being identified.  R002



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
		<p>required by condition 7-4(1). The report shall include:</p> <p>(a) Cause for failure to implement management actions and/or management targets exceeded.</p> <p>(b) The findings of the investigation required by conditions 7-4(2) and 7-4(3).</p> <p>(c) Details of revised and/or additional management actions to be implemented to prevent exceedance of the management targets and/or ensure implementation of management actions.</p> <p>(d) Relevant changes to proposal activities.</p> <p>(e) Measures to prevent, control or abate the environmental harm which may have occurred.</p>						
MS1036: M7.5	Condition Environmental Management Plans (management based)	The proponent may review and revise the Condition Environmental Management Plans, or as otherwise specified by the CEO.	Review the Condition Environmental Management Plans as specified by the CEO.	Revised Condition Environmental Management Plan	Overall	As required.	Compliant	R001





Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M7.6	Condition Environmental Management Plans (management based)	The proponent shall implement the latest revision of the Condition Environmental Management Plan, which the CEO has confirmed by notice in writing, satisfies the requirements of condition 7-2.	Implement the revised Condition Environmental Management Plans.	CAR	Overall	Once revisions are approved in writing by the CEO.	Compliant	The Proponent continues to implement the approved plans. Review of the approved CEMPs commenced in June 2018.
MS1036: M8.1	Condition Environmental Management Plans (outcome based)	Prior to the commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO, the proponent shall prepare and submit Condition Environmental Management Plan(s) to the satisfaction of the CEO to demonstrate that the environmental outcomes in conditions 13-1 and 14-1 will be met.	Prepare and Submit Condition Environmental Management Plans required by 13-1 and 14-1.	Condition Environmental Management Plans required by 13-1 and 14-1.	Pre-construction	Prior to the commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO.	Completed	Ground disturbing activities commenced on 31 March 2017.  The Plans were approved on 15/03/2017, as reported in the 2017 CAR (Coffey 2017a).



MS1036: M8.2	Condition Environmental Management Plans (outcome based)	<p>The Condition Environmental Management Plan(s) shall:</p> <ol style="list-style-type: none"> <li>(1) Specify trigger criteria that will trigger the implementation of trigger level actions if exceeded.</li> <li>(2) Specify threshold criteria that:               <ol style="list-style-type: none"> <li>(a) Provides a limit beyond which the environmental outcomes identified in conditions 13-1 and 14-1 are not achieved.</li> <li>(b) Will trigger the implementation of threshold contingency actions if exceeded.</li> </ol> </li> <li>(3) Specify monitoring to determine if trigger criteria and threshold criteria are exceeded.</li> <li>(4) Specify trigger level actions to be implemented in the event that trigger criteria have been exceeded.</li> <li>(5) Specify threshold contingency actions to be implemented in the event that threshold criteria are exceeded.</li> <li>(6) Provide the format and timing for the reporting of monitoring results against trigger criteria and threshold criteria to demonstrate that conditions 13-1 and 14-1 have been met over the</li> </ol>	Prepare and Submit Condition Environmental Management Plans required by 13-1 and 14-1.	Condition Environmental Management Plans required by 13-1 and 14-1.	Pre- construction	Prior to the commencem ent of ground disturbing activities, or as otherwise agreed in writing by the CEO.	Completed	OEPA approval of Plans, as required in the 2017 CAR (Coffey 2017a).
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Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
		reporting period in the Compliance Assessment Report required by condition 4.  (7) Provide for reporting of exceedances of the trigger and threshold criteria.						





MS1036: M8.3	Condition Environmental Management Plans (outcome based)	After receiving notice in writing from the CEO that the Condition Environmental Management Plan(s) satisfies the requirements of condition 8-2 for conditions 13-1 and 14-1, the proponent shall prior to the commencement of ground disturbing activities:  (1) Implement the provisions of the Condition Environmental Management Plans.  (2) Continue to implement the Condition Environmental Management Plans until the CEO has confirmed by notice in writing that the proponent has met the relevant objectives specified in the approved Condition Environmental Management Plan and no longer needs to implement that particular Condition Environmental Management Plan.	Implement the Condition Environmental Management Plans required by 13-1 and 14-1.	CAR	Overall	After CEO approval that the Condition Environmental Management Plan(s) satisfies the requirements of condition 8-2 for conditions 13-1 and 14-1 implement provisions of the EMP proponent shall prior to the commencem ent of ground disturbing Until the CEO has confirmed by notice in writing that the proponent has demonstrate d the outcomes	Compliant	The CEMPs required by Conditions 13-1 and 14-1 were implemented prior to the commencement of ground disturbing activities and these plans continue to be implemented.  CEO has not confirmed that plans no longer need to be implemented.
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Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
						specified in conditions 13-1 and 14-1 have been met.		





MS1036: M8.4	Condition Environmental Management Plans (outcome based)	In the event that monitoring indicates exceedance of trigger criteria and/or threshold criteria specified in the Condition Environmental Management Plans, the proponent shall:  (1) Report the exceedance in writing within 7 days of the exceedance being identified.  (2) Immediately implement the trigger level actions and/or threshold contingency actions specified in the Condition Environmental Management Plans and continue implementation of those actions until the trigger criteria are being met, or until the CEO has confirmed by notice in writing that it has been demonstrated that the environmental outcomes in conditions 13-1 and 14-1 are being met and implementation of the trigger level actions and/or threshold contingency actions are no longer required.  (3) Investigate to determine the cause of the trigger criteria and/or threshold criteria being exceeded.  (4) Identify additional measures required to prevent the trigger	1) Report the exceedance within 7 days of the exceedance being identified.  2) Implement the trigger level/ contingency actions specified in the Condition Environmental Management Plan(s).  3) Investigate cause of trigger and or threshold criteria exceedance. 4) Identify additional measures to prevent trigger/threshol d criteria being exceeded in the future.  5) Investigate potential environmental harm or	Exceedance Report (8- 4(1)). Investigatio n Report (8- 4(6)).	Overall	Report exceedance with seven (7) days of being identified.  Provide investigation report required by 8-4(6) within 60 days of exceedance being reported to the CEO.	Compliant	Exceedances of trigger and threshold criteria were reported within 7 days of the exceedance being identified.  Investigation reports were submitted to the CEO within the 60 day reporting timeline.  C001 to C094
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	<p>and/or threshold criteria being exceeded in the future.</p> <p>(5) Investigate to determine potential environmental harm or alteration of the environment that occurred due to threshold criteria being exceeded.</p> <p>(6) Provide a report to the CEO within 60 days of the exceedance being reported. The report shall include:</p> <p>(a) Details of trigger level actions or threshold contingency actions implemented.</p> <p>(b) The effectiveness of the trigger level actions or threshold contingency actions implemented, monitored and measured against trigger criteria and threshold criteria.</p> <p>(c) The findings of the investigations required by condition 8-4(3) and 8-4(5).</p> <p>(d) Additional measures to prevent the trigger or threshold criteria being exceeded in the future.</p> <p>(e) Measures to prevent, control or abate the environmental harm which may have occurred.</p>	<p>alteration of the environment due to threshold exceedance.</p> <p>6) Submit a report consistent with condition 8-4(6) to CEO within 60 days of the exceedance being reported under condition 8-4(1).</p>			
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Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M8.5	Condition Environmental Management Plans (outcome based)	The proponent: (1) May review and revise the Condition Environmental Management Plans. (2) Shall review and revise the Condition Environmental Management Plans as and when directed by the CEO.	Revise Condition Environmental Management Plan(s).	Revised Condition Environmental Management Plan(s).	Overall	As required.	Compliant	
MS1036: M8.6	Condition Environmental Management Plans (outcome based)	The proponent shall implement the latest revision of the Condition Environmental Management Plan(s), which the CEO has confirmed by notice in writing, satisfies the requirements of condition 8-2.	Implement the revised Condition Environmental Management Plan(s).	CAR.	Overall	Once revisions are approved in writing by the CEO.	Not required at this stage	Revised CEMPs will be implemented once approved in writing by the CEO.



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M9.1	Flora and Vegetation – Construction – Condition Environmental Management Plan	<p>The proponent shall manage the construction of the proposal to meet the following environmental objectives:</p> <p>(1) To ensure that <i>Phytophthora cinnamomi</i> is not introduced into disease free areas by construction activities during construction.</p> <p>(2) To ensure that impacts to flora and vegetation from dust are minimised as far as practicable during construction.</p> <p>(3) To ensure that impacts to flora and vegetation from the introduction or spread of weeds are minimised as far as practicable during construction.</p> <p>Through implementation of the Flora and Vegetation – Construction – Condition Environmental Management Plan approved by the CEO.</p>	Flora and Vegetation - Construction - Condition Environmental Management Plan to manage <i>Phytophthora cinnamomi</i> , dust and weeds.	Flora and Vegetation – Construction – Condition Environmental Management Plan. CEO approval.	Construction	During construction of the proposal.	Satisfactorily to date	Of the 27 actions in the Plan, 3 were potentially non-conforming and 2 were non-conforming (Table 4.3). Incident registers did not identify any incidents relating to <i>Phytophthora cinnamomi</i> , dust or weeds.

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M9.2	Flora and Vegetation – Construction – Condition Environmental Management Plan	The proponent shall prepare the Flora and Vegetation – Construction – Condition Environmental Management Plan required by condition 7-1 on advice of the Department of Parks and Wildlife.	Prepare the Flora and Vegetation - Construction - Condition Environmental Management Plan to meet the environmental objectives set out in condition 9-1.	Flora and Vegetation – Construction – Condition Environmental Management Plan.	Pre-construction	Prior to the commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO.	Compliant	
MS1036: M9.3	Flora and Vegetation – Construction – Condition Environmental Management Plan	For the purpose of establishing management targets as required by condition 7-2(2), if adequate site specific <i>Phytophthora cinnamomi</i> and weed mapping is not available the proponent shall undertake baseline surveys prior to ground disturbing activities, or as agreed by the CEO.	Prepare a Baseline Survey Plan if adequate site specific mapping is not available.	Baseline Survey Mapping.	Pre-construction	Prior to ground disturbing activities, or as agreed by the CEO (if adequate site specific mapping is not available).	Completed	OEPA considered conditions 9-3 to 9-5 not applicable.  Public Environmental Review document (NLWA-03-EN-RP-0025) included baseline mapping for <i>Phytophthora cinnamomi</i> and weeds.
MS1036: M9.4	Flora and Vegetation – Construction – Condition	In the event baseline surveys are required, prior to the commencement of ground disturbing activities the proponent shall prepare in	Prepare a Baseline Survey Plan if adequate site	Baseline Survey Plan - <i>Phytophtho</i>	Pre-construction	In the event baseline surveys are required,	Completed	As for M9.3.





Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
	Environmental Management Plan	<p>consultation with the Department of Parks and Wildlife, and submit a Baseline Survey Plan(s) to the CEO. The Baseline Survey Plan(s) shall:</p> <ol style="list-style-type: none"> <li>(1) When implemented, determine the baseline state of areas identified in condition 9-4(3) so that ongoing monitoring can determine that conditions 9-1(1) and 9-1(3) are being met.</li> <li>(2) Detail the proposed methodology for the baseline surveys.</li> <li>(3) Identify and spatially define the proposed survey locations and reference/control sites and provide rationale for the location of the sites.</li> <li>(4) Include a description and map of the areas that are free from <i>Phytophthora cinnamomi</i>.</li> <li>(5) Include a description and map of the areas that are free from weeds and for those areas that contain weeds, provide the level of weed cover and type.</li> </ol>	specific mapping is not available.	<i>ra cinnamomi</i> and weed.		prior to the commencement of ground disturbing activities.		

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M9.5	Flora and Vegetation – Construction – Condition Environmental Management Plan	<p>(6) Detail the proposed frequency and timing for the baseline surveys.</p> <p>After receiving notice in writing from the CEO that the Baseline Survey Plan(s) satisfies the requirements of condition 9-4, the proponent shall undertake the baseline surveys in accordance with the requirements of the Baseline Survey Plan(s).</p> <p>On completion of the baseline surveys the proponent shall report to the CEO on the following:</p> <p>(1) Completion of the baseline surveys in accordance with the Baseline Survey Plan(s).</p> <p>(2) The results of the baseline surveys.</p>	Undertake baseline surveys in accordance with the approved Baseline Survey Plan.	CAR. CEO approval of Baseline Survey Plan. Baseline Survey.	Pre-construction	Upon receiving written notice from the CEO that the Baseline Survey Plan is satisfactory.	Completed	As for M9.3.
MS1036: M9.6	Flora and Vegetation – Construction – Condition Environmental Management Plan	The proponent shall undertake monitoring as required by condition 7-2(3) for a period of 3 years post construction in order to demonstrate that the environmental objectives for condition 9-1 have been met.	Undertake monitoring in accordance with 7-2(3).	CAR.	Operation	Three (3) years post construction.	Not required at this stage	Construction not complete.



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M9.7	Flora and Vegetation – Construction – Condition Environmental Management Plan	In the event that monitoring required by condition 9-6 indicates that the environmental objectives for conditions 9-1 have not been met the proponent shall undertake the requirements of condition 7-4.	Report exceedance within seven (7) days. Investigate cause. Provide a report to CEO within 60 days.	CAR. Notification of exceedance. Report to CEO.	Operation	Three (3) years post construction.	Not required at this stage	Construction not complete
MS1036: M9.8	Flora and Vegetation – Construction – Condition Environmental Management Plan	The proponent shall not undertake clearing or construct any laydown areas or stock piles within the 50 m buffer of <i>Caladenia huegelii</i> , as delineated in figure 2 of Schedule 1 and defined by geographic coordinates in Schedule 2.	Implement an exclusion zone for the 50 m buffer for <i>Caladenia huegelii</i> .	CAR.	Overall	During design and construction.	Compliant	Inspections are conducted to check that the fencing is still in place and no clearing has occurred within the mapped 50 m buffer of <i>Caladenia huegelii</i> . R002

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M9.9	Flora and Vegetation – Construction – Condition Environmental Management Plan	The proponent shall not undertake clearing or construct any laydown areas or stock piles within the 10 m buffer, as delineated in figure 3 of Schedule 1 and defined by geographic coordinates in Schedule 2, of: (1) <i>Grevillea curviloba subsp. incurva</i> . (2) <i>Darwinia foetida</i> .	Implement an exclusion zone for the 10 m buffer for <i>Grevillea curviloba subsp. incurva</i> ; and <i>Darwinia foetida</i> .	CAR.	Overall	During design and construction.	Compliant	Inspections confirmed no clearing or laydown/stockpile areas within the specified buffers and no evidence of disturbance to these areas.  R002



MS1036: M10.1	Flora and Vegetation – Indirect Impacts and Threatened Flora and Communities – Condition Environmental Management Plan	The proponent shall manage the implementation of the proposal to meet the following environmental objectives:  (1) To ensure that indirect impacts, including but not limited to weeds, unauthorised access, increased fire risk and litter, changes to surface water regimes, to flora and vegetation, including but not limited to <i>Caladenia huegelii</i> habitat, <i>Grevillea curviloba</i> subsp. <i>incurva</i> , <i>Darwinia foetida</i> , Conservation Category Wetlands, Claypans of the Swan Coastal Plain and Communities of Tumulus Springs (Organic Mound Springs, Swan Coastal Plain) are minimised as far as practicable.  (2) To maintain or improve the condition of the remaining extent of SCP 20a as shown in figure 4, through implementation of the Flora and Vegetation – Indirect Impacts and Threatened Flora and Communities – Condition Environmental Management Plan approved by the CEO.	Prepare and Implement a Flora and Vegetation – Indirect Impacts and Threatened Flora and Communities – Condition Environmental Management Plan to meet the environmental objectives of condition M10-1.	Flora and Vegetation – Indirect Impacts and Threatened Flora and Communities – Condition Environmental Management Plan. CAR. CEO approval.	Overall	During the implementation of the proposal.	Potentially non-compliant	Of the 20 management actions in the Plan, 10 were conforming, 4 are addressed elsewhere, 5 are not required at this stage and one is in process.  Of the five management targets, three were non-conforming relation to the following:  <u>Non-conformances</u>  • Monitoring in April and July 2018 detected dust impacts more than 10 m from the edge of native vegetation adjacent to Communities of Tumulus Springs (Organic
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Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M10.2	Flora and Vegetation – Indirect Impacts and Threatened Flora and Communities – Condition Environmental Management Plan	The proponent shall prepare the Flora and Vegetation – Indirect Impacts and Threatened Flora and Communities – Condition Environmental Management Plan required by condition 7-1 on advice of the Department of Parks and Wildlife.	Prepare a Flora and Vegetation – Indirect Impacts and Threatened Flora and Communities – Condition Environmental Management Plan pursuant to condition M10-1.	Flora and Vegetation – Indirect Impacts and Threatened Flora and Communities – Condition Environmental Management Plan.	Overall	Prior to the commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO.	Compliant	monitoring is required. R001

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M11.1	Flora and Vegetation – Progressive Rehabilitation Condition Environmental Management Plan	<p>The proponent shall manage the implementation of the proposal to meet the following environmental objectives:</p> <p>(1) To progressively rehabilitate the areas of native vegetation cleared as a result of implementation of the proposal that are no longer required for construction activities or not required for ongoing operations.</p> <p>(2) To rehabilitate the section of Beechboro Road North from Jules Steiner Memorial Drive to Gnangara Road within twelve months of decommissioning this section of road.</p> <p>Through implementation of the Flora and Vegetation –Progressive Rehabilitation Condition Environmental Management Plan approved by the CEO.</p>	Implement the Flora and Vegetation – Progressive Rehabilitation Condition Environmental Management Plan.	CAR.	Overall	Rehabilitate section of Beechboro Rd North from Jules Steiner Memorial Drive to Gnangara Rd within twelve months of decommissioning.	Satisfactorily to date	Rehabilitation activities have not yet commenced at Beechboro Road North, as it has not been decommissioned. It is understood that no other areas temporarily cleared and require rehabilitation.



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M11.2	Flora and Vegetation – Progressive Rehabilitation Condition Environmental Management Plan	The proponent shall identify and map areas to be rehabilitated as required by condition 11-1.	Maintain a map of areas identifying areas to be rehabilitated. Include information regarding rehabilitation in the CAR.	CAR.	Overall	During the implementation of the proposal.	Completed	OEPA approval condition has been met, as reported in the 2017 CAR (Coffey 2017a).
MS1036: M11.3	Flora and Vegetation – Progressive Rehabilitation Condition Environmental Management Plan	Those areas to be rehabilitated as identified in condition 11-2 shall not include areas required for ongoing operations including, but not limited to, drainage basins, road embankments and median strips.	Do not rehabilitate areas required for ongoing operations including, but not limited to, drainage basins, road embankments and median strips.	CAR.	Overall	During the implementation of the proposal.	Completed	As for M11.2. The revegetation and landscaping plan only applies to Beechboro Road North and areas of native vegetation cleared for temporary project works and not part of the road reserve.



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M11.4	Flora and Vegetation – Progressive Rehabilitation Condition Environmental Management Plan	The proponent shall prepare the Flora and Vegetation – Progressive Rehabilitation Management Plan required by condition 7-1 on advice of the Department of Parks and Wildlife.	Prepare a Flora and Vegetation Progressive Rehabilitation Condition Environmental Management Plan to meet the environmental objectives in condition 11-2.	Flora and Vegetation – Progressive Rehabilitation Condition Environmental Management Plan.	Overall	Prior to the commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO.	Completed	As for M11.2.
MS1036: M11.5	Flora and Vegetation – Progressive Rehabilitation Condition Environmental Management Plan	The management targets as required by condition 7-2(2) must include rehabilitation completion criteria using locally native species.	Include completion criteria in the Prepare a Flora and Vegetation Progressive Rehabilitation Condition Environmental Management Plan.	Flora and Vegetation – Progressive Rehabilitation Condition Environmental Management Plan.	Overall	Prior to ground disturbing activities, or as otherwise agreed in writing by the CEO.	Completed	As for M11.2.

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M11.6	Flora and Vegetation – Progressive Rehabilitation Condition Environmental Management Plan	The proponent shall not plant known species of foraging habitat for Black Cockatoos, including but not limited to, <i>Banksia</i> spp., <i>Hakea</i> spp., <i>Grevillea</i> spp. and <i>Eucalyptus</i> spp. within 10 m of the constructed road carriageway.	Do not plant known species of foraging habitat within 10 m of constructed road carriageway.	CAR. Flora and Vegetation – Progressive Rehabilitation Condition Environmental Management Plan.	Overall	During rehabilitation	Not required at this stage	Rehabilitation plan has been developed and Beechboro Road North rehabilitation is greater than 10 m from the road alignment. Rehabilitation at Beechboro Road North has not yet commenced.
MS1036: M12.1	Fauna – Construction – Condition Environmental Management Plan	The proponent shall manage the construction of the proposal to meet the following environmental objective: (2) To ensure that impacts to conservation significant fauna are minimised as far as practicable during final design and construction of the proposal. Through implementation of the Fauna – Construction – Condition Environmental Management Plan, approved by the CEO.	Prepare and Implement a Fauna – Construction – Condition Environmental Management Plan that meets the environmental objectives of the condition 12-1.	Fauna – Construction – Condition Environmental Management Plan. CAR. CEO approval.	Overall	During design and construction.	Compliant	R002

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M12.2	Fauna – Construction – Environmental Management Plan	The proponent shall prepare the Fauna – Construction – Condition Environmental Management Plan required by condition 7-1 on advice of the Department of Parks and Wildlife.	Prepare a Fauna – Construction – Condition Environmental Management Plan that meets the environmental objectives of the condition 12-1 on advice of DPAAW.	Fauna – Construction – Condition Environmental Management Plan. DPAAW advice.	Overall	Prior to the commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO.	Completed	OEPA approval this condition met, as reported in the 2017 CAR (Coffey 2017a).



MS1036: M12.3	Fauna – Construction – Environmental Management Plan	<p>The Fauna – Construction – Condition Environmental Management Plan shall include threshold contingency actions, including but not limited to:</p> <ol style="list-style-type: none"> <li>(1) Best practice design, including shape, size, furniture and sky lights of fauna underpasses.</li> <li>(2) Trapping and relocation of ground dwelling fauna prior to clearing;</li> <li>(3) Presence of fauna spotters during clearing.</li> <li>(4) Dispersal and relocation of fauna identified by fauna spotters as required by condition 12-3(3) during clearing.</li> <li>(5) Any trenching activities.</li> <li>(6) Ensuring that if clearing is to be undertaken, the proponent shall use an appropriately experienced Black Cockatoo expert to thoroughly inspect the area for Black Cockatoo breeding activity, in particular nesting, and if the area is found to be in use, clearing in the area shall be postponed until such time as determined suitable, on the advice of the Department of Parks and Wildlife.</li> </ol>	Prepare a Fauna – Construction – Environmental Management Plan that includes the information required by condition 12-3.	Fauna – Construction – Environmental Management Plan.	Overall	Prior to the commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO.	Completed	OEPA approval this condition has been met, as reported in the 2017 CAR (Coffey 2017a).
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Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M13.1	Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	<p>The proponent shall manage the construction and operation of the proposal to meet the following environmental outcome:</p> <p>(1) The construction and operation of the proposal shall not result in an unacceptable decline in water quality of the GUWPCA.</p> <p>(2) The construction and operation of the proposal shall not result in an unacceptable decline in water quality of the Ellen Brook as confirmed by monitoring for a period of 5 years post construction.</p> <p>Through implementation of the Inland Waters-Environmental Quality – Hydrological Processes – Condition Environmental Management Plan approved by the CEO.</p>	<p>Prepare and implement the Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan that meets the environmental objectives in condition 13-1.</p>	<p>Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan.</p>	Overall	During the implementation of the proposal.	Compliant	<p>Investigations to date indicate that exceedances are unlikely to be a result of implementation of the proposal.</p> <p>Audit conclusions based on implementation of monitoring, which has been undertaken monthly during construction.</p> <p>C001 to C094</p>

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M13.2	Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	The proponent shall prepare the Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan required by condition 8-1 on advice of the Department of Water.	Prepare the Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan that meets the environmental objectives in condition 13-1.	Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan. CEO approval.	Overall	Prior to the commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO.	Completed	OEPA approval this condition has been met, as reported in the 2017 CAR (Coffey 2017a).
MS1036: M13.3	Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	For the purpose of establishing trigger criteria as required by condition 8-2(1), if adequate site specific water quality data is not available the proponent shall undertake baseline surveys prior to the commencement of ground disturbing activities in the GUWPCA and in the vicinity of Ellen Brook.	Undertake baseline surveys in accordance with a CEO approved Baseline Survey Plan if adequate site specific data is not available.	CAR.	Pre-construction	If adequate site specific water quality data is not available.	Completed	Ground disturbing activities commenced on 31 March 2017. Baseline data was collected from December 2015 to May 2017. R003





Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M13.4	Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	In the event baseline surveys are required, the proponent shall prepare in consultation with the Department of Water, and submit a Baseline Survey Plan to the CEO. The Baseline Survey Plan shall:  (1) When implemented, determine the baseline water quality within the GUVPCA and the Ellen Brook.  (2) Detail the proposed methodology for the baseline surveys.  (3) Identify and spatially define the proposed survey locations and reference/control sites and provide rationale for the location of the sites.  (4) Detail the proposed frequency and timing for the baseline surveys.	Prepare a Baseline Survey Plan if adequate site specific baseline data is not available.	Baseline Survey Plan – Environmental Quality – Hydrological Processes.	Pre-construction	Prior to the commencement of ground disturbing activities.	Completed	OEPA approval stated conditions 13-4, 13-4(2), 13-4(3) and 13-4(4) have been met, as reported in 2017 CAR (Coffey 2017a).

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M13.5	Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	After receiving notice in writing from the CEO that the Baseline Survey Plan satisfies the requirements of condition 13-4, the proponent shall undertake the baseline surveys in accordance with the requirements of the Baseline Survey Plan.	Undertake baseline surveys in accordance with the CEO approved Baseline Survey Plan – Environmental Quality – Hydrological Processes.	Baseline Survey Plan – Environmental Quality – Hydrological Processes Report.	Overall	After receiving written notice from the CEO that the Baseline Survey Plan – Environmental Quality – Hydrological Processes is satisfactory.	Completed	Baseline survey completed in accordance with the approved Baseline Survey Plan (Coffey 2017b). R003
MS1036: M13.6	Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	On completion of the baseline surveys the proponent shall report to the CEO on the following: (1) Completion of the baseline surveys in accordance with the Baseline Survey Plan. (2) The results of the baseline surveys.	Submit a Baseline Survey Report.	Baseline Survey Plan – Environmental Quality – Hydrological Processes Report.	Overall	On completion of the baseline surveys.	Completed	The Baseline Survey Report was issued in October 2017. R003



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M13.7	Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	The proponent shall specify threshold criteria that are consistent with the Australian Drinking Water Guidelines (NHMRC & ARMCANZ 1996), or its revisions, as required by condition 8-2(2).	Include appropriate Australian Drinking Water Guidelines (NHMRC & ARMCANZ 1996) threshold criteria in the Inland Waters Environmental Quality - Hydrological Processes - Condition Environmental Management Plan.	Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan.	Pre-construction	Prior to the commencement of ground disturbing activities.	Completed	OEPA approval this condition has been met, as reported in 2017 CAR (Coffey 2017a).
MS1036: M13.8	Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	The proponent shall not construct any laydown areas, stock piles or store chemicals within the well head protection zones in the GUWPCA.	Do not locate laydown or stockpiles or store chemicals within in the well head protection zones.	CAR.	Overall	During the implementation of the proposal.	Compliant	R002

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M13.9	Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	Any fuel or chemicals stored within the GUWPCA shall: (1) Be contained within double-lined fuel storage tanks. (2) Not exceed an individual storage tank capacity of 5,000 L. (3) Be placed in bunds capable of storing 125% of the capacity of the largest storage tank. (4) Not be located within well head protection zones.	Ensure fuel or chemicals is stored in double line tanks and does not exceed an individual storage capacity of 5000L. Tanks will be self banded or located on a banded area capable of storing 125% of the largest storage tank.	CAR.	Overall	During construction of the proposal.	Non-compliant	In August 2018, several small chemical containers and jerry cans were observed within the GUWPCA in shipping containers that are not banded. This does not meet the requirement for fuels and chemicals to be stored in banded areas. R002
MS1036: M13.10	Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	The proponent shall not construct infiltration basins, including bio-retention basins, within 100 m of drinking water production wells within the GUWPCA.	Ensure there are no infiltration basins, including bio-retention basins to be constructed within 100 m of the water production wells in the GUWPCA.	CAR.	Overall	During design and construction of the project.	Compliant	R002





MS1036: M14.1	Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	The proponent shall manage the construction of the proposal to meet the following environmental outcomes:  (1) To ensure that construction and operation of the proposal, including from dewatering and groundwater abstraction, does not result in indirect impacts to the Claypans of the Swan Coastal Plain and Communities of Tumulus Springs (Organic Mound Springs, Swan Coastal Plain) and Conservation Category Wetlands as shown in figures 5 and 6.  (2) To ensure that construction of the proposal maintains predevelopment surface water flows to <i>Darwinia foetida</i> , Claypans of the Swan Coastal Plain and Communities of Tumulus Springs (Organic Mound Springs, Swan Coastal Plain) and Conservation Category Wetlands as shown in figures 3, 5 and 6.  Through implementation of the Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan approved by the CEO.	Prepare and implement the Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan that meets the environmental objectives in condition 14-1.	Flora and Vegetation – Inland Waters Environmen tal Quality – Hydrologica l Processes – Condition Environmen tal Managemen t Plan. CAR. CEO approval.	Overall	During construction of the proposal.	Compliant	R001
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Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M14.2	Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	The proponent shall prepare the Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan required by condition 8-1 on advice of the Department of Water and Department of Parks and Wildlife.	Prepare and implement the Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan.	Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan.  DOW and DPAW advice.	Pre-construction	Prior to the commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO.	Compliant	OEPA approval stated this condition has been met, as reported in the 2017 CAR (Coffey 2017a).
MS1036: M14.3	Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	The proponent shall undertake baseline surveys prior to ground disturbing activities for the purpose of establishing trigger and threshold criteria as required by condition 8-2.	Conduct baseline surveys prior to ground disturbance in accordance with the Baseline Survey Plan – Inland Waters – Environmental Quality.	CAR.	Pre-construction	Prior to the commencement of ground disturbing activities.	Completed	Baseline survey completed between December 2015 and May 2017 (Coffey 2017c).  R004



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M14.4	Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	<p>Prior to the commencement of ground disturbing activities, the proponent shall prepare in consultation with the Department of Water and the Department of Parks and Wildlife, and submit a Baseline Survey Plan(s) to the CEO. The Baseline Survey Plan(s) shall:</p> <ol style="list-style-type: none"> <li>(1) When implemented, determine the baseline state of areas identified in condition 14-4(3) so that ongoing monitoring can determine that conditions 14-1(1) and 14-1(2) will be met.</li> <li>(2) Detail the proposed methodology for the baseline surveys.</li> <li>(3) Identify and spatially define the proposed survey locations and reference/control sites and provide rationale for the location of the sites.</li> <li>(4) Detail the proposed frequency and timing for the baseline surveys.</li> </ol>	Prepare a Baseline Survey Plan – Inland Waters – Environmental Quality to meet the requirements of condition 14-4.	Baseline Survey Plan – Inland Waters – Environmental Quality Report.	Pre-construction	Prior to the commencement of ground disturbing activities.	Completed	OEPA approval stated conditions 14-4, 14-4(2), 14-4(3) and 14-4(4) have been met, as reported in 2017 CAR (Coffey 2017a).

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M14.5	Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	After receiving notice in writing from the CEO that the Baseline Survey Plan satisfies the requirements of condition 14-4, the proponent shall undertake the baseline surveys in accordance with the requirements of the Baseline Survey Plan	Undertake baseline surveys in accordance with the CEO approved Baseline Survey Plan – Inland Waters – Environmental Quality.	Baseline Survey Plan – Inland Waters – Environmental Quality Report.	Pre-construction	After receiving written notice from the CEO that the Baseline Survey Plan – Inland Waters – Environmental Quality is satisfactory.	Completed	The baseline quality sampling was completed between December 2015 and May 2017 (Coffey 2017c). R004
MS1036: M14.6	Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	On completion of the baseline surveys the proponent shall report to the CEO on the following: (1) Completion of the baseline surveys in accordance with the Baseline Survey Plan. (2) The results of the baseline surveys.	Complete baseline survey and report results of baseline surveys to CEO.	Baseline survey.	Pre-construction	On completion of the baseline surveys.	Compliant	



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M14.7	Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	The proponent shall undertake monitoring as required by condition 8-2(3) for a period of 3 years, or as otherwise agreed in writing by the CEO, post construction in order to demonstrate that the outcomes in condition 14-1(1) and 14-1(2) have been met.	Undertake monitoring in accordance with the Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan.	Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan Monitoring report.	Overall	A period of 3 years post construction, or as otherwise agreed in writing by the CEO.	Not required at this stage	Construction not complete
MS1036: M14.8	Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	In the event that monitoring required by condition 14-7 indicates that the outcomes in condition 14-1(1) and 14-1(2) have not been met the proponent shall undertake to the requirements of condition 8-4.	Assess monitoring results against triggers and thresholds.	Monitoring report. CAR.	Operation	Notify CEO within 7 days and provide a report within 60 days of exceedance being identified.	Not required at this stage	Construction not complete

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M14.9	Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	The proponent shall not construct laydowns areas or stock piles within 50 m of Claypans of the <i>Swan Coastal Plain and Communities of Tumulus Springs (Organic Mound Springs, Swan Coastal Plain)</i> and Conservation Category Wetlands as shown in figures 5 and 6.	Do not locate laydown or stockpiles within the well 50 m of Claypans of the Swan Coastal Plain and Communities of Tumulus Springs (Organic Mound Springs, Swan Coastal Plain) and Conservation Category.	CAR.	Overall	During construction of the proposal.	Compliant	R002



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M15.1	Amenity (Noise) – Condition Environmental Management Plan	<p>The proponent shall construct the proposal to meet the following environmental objectives:</p> <p>(1) To ensure that impacts to the noise amenity of existing sensitive receptors delineated in figure 7 of Schedule 2, as a result of the ongoing operation of the proposal are minimised as low as reasonably practicable.</p> <p>(2) To ensure that the impacts to the noise amenity of existing sensitive receptors, are consistent with section 5.3 of State Planning Policy 5.4 for properties south of Maralla Road.</p> <p>Through implementation of the Amenity (Noise) – Condition Environmental Management Plan, approved by the CEO.</p>	Prepare and implement an Amenity (Noise) - Condition Environmental Management Plan to meet the environmental outcomes in condition 15-1.	Amenity (Noise) – Condition Environmental Management Plan. CAR. CEO approval.	Overall	During design and construction of the proposal.	Compliant	The Amenity (Noise) CMEP includes five key management actions. Of these, two actions are not required at this stage and two actions are completed. The remaining action is in process (Table).

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M15.2	Amenity (Noise) – Condition Environmental Management Plan	<p>The Amenity (Noise) – Condition Environmental Management Plan shall include management actions for:</p> <p>(1) The design of noise mitigation measures, including but not limited to noise attenuation barriers and noise walls.</p> <p>(2) The procedures to monitor the effectiveness of noise mitigation measures.</p> <p>(3) The procedures to consult with the affected landowners delineated in figure 7 of Schedule 1 and defined by geographic coordinates in Schedule 2, regarding additional noise mitigation measures.</p> <p>(4) The procedures for noise complaint management and a response framework.</p>	Prepare an Amenity (Noise) – Condition Environmental Management Plan to meet the requirements of condition 15-3.	Amenity (Noise) – Condition Environmental Management Plan.	Pre-Construction	Prior to the commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO.	In process	OEPA approval stated condition has been met, as reported in 2017 CAR (Coffey 2017a).

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M16.1	Residual Impacts and Risk Management Measures	<p>The objective of conditions 16-2 to 16-22 is to offset the following significant residual impacts:</p> <p>(1) 4 ha of Threatened Ecological Community SCP 20a, '<i>Banksia attenuata woodlands over species rich dense shrublands</i>'.</p> <p>(2) 5.5 ha of Yanga Complex.</p> <p>(3) 31.9 ha of <i>Caladenia huegelii</i> critical habitat.</p> <p>(4) 129.9 ha of Bush Forever sites.</p> <p>(5) 7.65 ha of A Class Nature Reserves.</p> <p>(6) 207.2 ha of <i>Calyptorhynchus latirostris</i> (Carnaby's black cockatoo) foraging habitat.</p> <p>(7) 120.5 ha of <i>Calyptorhynchus banksii naso</i> (forest red-tailed black cockatoo) foraging habitat.</p> <p>(8) 16 ha of Conservation Category Wetlands.</p>	Implement condition 16-2 to 16-22.	CAR.	Overall	During the implementation of the proposal.	In process	OEPA approval has been provided for the Ippolo Road Site Land Acquisition and Management Plan, and <i>Caladenia huegelii</i> Habitat Management Plan, as reported in the 2017 CAR (Coffey 2017a).  The Land Acquisition and Rehabilitation Offsets Strategy, and SCP 20a Offsets Strategy are In Process.



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M16.2	Residual Impacts and Risk Management Measures – Ippolo Road Site Acquisition and Management Plan	<p>Prior to the commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO, the proponent shall submit an Ippolo Road Site Land Acquisition and Management Plan to the requirements of the CEO, with the objective of counterbalancing the significant residual impact to:</p> <p>(1) 7.65 ha of A Class Nature Reserves.</p> <p>(2) 202 ha of <i>Calyptorhynchus latirostris</i> (Carnaby's black cockatoo) foraging habitat.</p> <p>(3) 99.1 ha of <i>Calyptorhynchus banksii</i> naso (forest red-tailed black cockatoo) foraging habitat.</p>	Prepare an Ippolo Road Site Land Acquisition and Management Plan.	Ippolo Road Site Land Acquisition and Management Plan. CEO approval.	Pre-construction	Prior to the commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO.	Completed	Plan was approved 8/02/2017, as reported in the 2017 CAR (Coffey 2017a).



MS1036: M16.3	Residual Impacts and Risk Management Measures – Ioppolo Road Site Acquisition and Management Plan	<p>The Ioppolo Road Site Land Acquisition and Management Plan shall:</p> <p>(1) Identify the environmental attributes of the land to be acquired which must contain:</p> <p>(a) At least 673.5 ha of <i>Calyptorhynchus latirostris</i> (Carnaby's black cockatoo) potential foraging habitat.</p> <p>(b) At least 279 ha of <i>Calyptorhynchus banksii naso</i> (forest red-tailed black cockatoo) potential foraging habitat.</p> <p>(2) Detail the arrangements and funding for the upfront works associated with establishing the conservation reserve and ongoing management of the land acquired on advice from the Department of Parks and Wildlife.</p> <p>(3) Identify activities to be undertaken including improvement actions for areas identified as being in a degraded condition or cleared areas requiring rehabilitation.</p> <p>(4) Detail timeframes for undertaking improvement</p>	Prepare an Ioppolo Road Site Land Acquisition and Management Plan that include the requirements in condition 16-3. Correspondence documenting advice from Department of Parks and Wildlife on the Ioppolo Road Site Land Acquisition and Management Plan.	Ioppolo Road Site Land Acquisition and Management Plan.	Pre-construction	Prior to commencement of construction until the CEO advises implementation may cease.	Completed	OEPA approval condition has been met, as reported in the 2017 CAR (Coffey 2017a).
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Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
		actions and management activities. (5) Identify roles and responsibilities of the proponent and any agreements with third parties. (6) Detail completion criteria. (7) Include monitoring and reporting requirements.						



MS1036: M16.4	Residual Impacts and Risk Management Measures – Ioppolo Road Site Acquisition and Management Plan	<p>After receiving notice in writing from the CEO that the Ioppolo Road Site Land Acquisition and Management Plan satisfies the requirements of condition 16-3, the proponent shall:</p> <p>(1) Prior to the commencement of ground disturbing activities, commence the implementation of the actions in accordance with the requirements of the approved Ioppolo Road Site Land Acquisition and Management Plan.</p> <p>(2) Continue to implement the approved Ioppolo Road Site Land Acquisition and Management Plan until the CEO has confirmed by notice in writing that it has been demonstrated that the completion criteria in the Ioppolo Road Site Land Acquisition and Management Plan have been met and therefore the implementation of the actions is no longer required.</p>	Implement the CEO approved Ioppolo Road Site Land Acquisition and Management Plan.	CAR. Notice from CEO that implementation no longer required.	Pre-construction	Prior to the commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO.	Compliant	<p>The approved Plan continues to be implemented.</p> <p>Actions undertaken by DBCA up to 20 September 2018 include survey and control of feral beehives, pest animal control, track closure and rehabilitation, dieback survey and treatment, removal of rubbish and installation of some signage.</p> <p>Gates have not been installed in the reserves as there are many points where the bushland is very open and access could be made. Gates are considered unlikely to prevent unauthorised</p>
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Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
								access. While this is a potential non-conformance, it is proposed to amend the Ioppolo Road Management Plan to remove this requirement. C095, C096.



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M16.5	Residual Impacts and Risk Management Measures – Ioppolo Road Site Acquisition and Management Plan	Prior to the commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO, the proponent shall acquire, or fully fund the acquisition of, the land identified in the approved Ioppolo Road Site Land Acquisition and Management Plan, as required by condition 16-2, for the purpose of conservation. The land identified in the approved Ioppolo Road Site Land Acquisition and Management Plan shall be vested to the Conservation and Parks Commission for the purpose of conservation of flora and fauna.	Fund acquisition of Ioppolo Road Site.	CAR. Notice of transfer of funds.	Pre-construction	Prior to commencement of ground disturbing activities.	Completed	Ground disturbing activities commenced on 31 March 2017.  The approved Plan (January 2017) outlines that funding of land acquisition is complete, as reported in the 2017 CAR (Coffey 2017a).  Vesting of the land to the Conservation and Parks Commission is outside of the proponent's control.

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M16.6	Residual Impacts and Risk Management Measures – Ioppolo Road Site Acquisition and Management Plan	The proponent shall review and revise the Ioppolo Road Site Land Acquisition and Management Plan as and when directed by the CEO.	Revise Ioppolo Road Site Land Acquisition and Management Plan as and when directed by the CEO.	Revised Ioppolo Road Site Land Acquisition and Management Plan.	Overall	As and when directed by the CEO.	In process	Review of the approved plan is currently underway.
MS1036: M16.7	Residual Impacts and Risk Management Measures – Ioppolo Road Site Acquisition and Management Plan	The proponent shall implement the latest revision of the Ioppolo Road Site Land Acquisition and Management Plan, which the CEO has confirmed by notice in writing, satisfies the requirements of condition 16-2.	Implement the Revised Ioppolo Road Site Land Acquisition and Management Plan.	CAR.	Overall	After receiving written notice from the CEO that the Ioppolo Road Site Land Acquisition and Management Plan is satisfactory.	Compliant	As for M16.4.



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M16.8	Residual Impacts and Risk Management Measures – Land Acquisition and Restoration Offsets Strategy	<p>Within twelve months of the publication of this Statement, the proponent shall prepare and submit a Land Acquisition and Restoration Offsets Strategy to the CEO, with the objective of counterbalancing the significant residual impact to:</p> <ol style="list-style-type: none"> <li>(1) 5.5 hectares of Yanga Complex.</li> <li>(2) 129.9 hectares of Bush Forever sites.</li> <li>(3) 5.2 hectares of <i>Calyptorhynchus latirostris</i> (Carnaby's black cockatoo) foraging habitat.</li> <li>(4) 21.4 hectares of <i>Calyptorhynchus banksii naso</i> (forest red-tailed black cockatoo) foraging habitat.</li> <li>(5) 16 hectares of Conservation Category Wetlands.</li> </ol>	Prepare a Land Acquisition and Restoration Offsets Strategy.	Land Acquisition and Restoration Offsets Strategy.	Overall	Within twelve months of the publication of the Ministerial Statement No. 1036.	In process	DWER – EPA Services provided comment on the draft Strategy on 21 September 2018, requesting further amendments before it can be approved for implementation. Revision of the document is understood to be in process.  C097
MS1036: M16.9	Residual Impacts and Risk Management Measures – Land Acquisition and Restoration Offsets Strategy	<p>The Land Acquisition and Restoration Offsets Strategy required by condition 16-8 shall:</p> <ol style="list-style-type: none"> <li>(1) Identify an area or areas to be protected, managed and/or restored for conservation or enhancement of the values identified in condition 16-8.</li> </ol>	Include requirements of condition 16-9 into the Land Acquisition and Restoration Offsets Strategy.	Land Acquisition and Restoration Offsets Strategy. CEO approval.	Overall	Within twelve months of the publication of the Ministerial Statement No. 1036.	In process	As for M16.8.



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
		<p>(2) Identify the area(s) of land to be acquired which must contain:</p> <p>(a) No less than 48 ha of wetlands which are of the same quality as Conservation Category Wetlands at the time of acquisition or after rehabilitation.</p> <p>(b) 181 ha with vegetation communities and/or complexes and conditions commensurate with the Bush Forever sites being impacted.</p> <p>(c) No less than 5.5 ha of Yanga Complex.</p>						
		<p>(3) Include a completed WA Offsets Template, as described in the WA Environmental Offsets Guidelines 2014, as well as the Commonwealth's Offset Assessment Guide, to demonstrate how the proposed offset counterbalances the significant residual impact to:</p> <p>(a) 5.2 ha of <i>Calyptorhynchus latirostris</i> (Carnaby's black cockatoo) potential foraging habitat.</p>						





Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
		<p>(b) 21.4 ha of <i>Calyptorhynchus banksii naso</i> (forest red-tailed black cockatoo) potential foraging habitat.</p> <p>(4) Identify the environmental attributes of the offset area(s).</p> <p>(5) Commit to a protection mechanism for any areas of land acquisition, being either the area is ceded to the Crown for the purpose of conservation, or the area is managed under a Conservation Covenant in perpetuity.</p> <p>(6) If any land is to be ceded to the Crown for the purpose of conservation, the proponent will determine:</p> <p>(a) The quantum of, and provide funds for, the upfront works associated with establishing the conservation area.</p> <p>(b) The quantum of, and provide a contribution of funds for, the management of this area for no less than seven (7) years.</p> <p>(c) The quantum identified in conditions 16-9(6) (a) and 16-9(6)</p>						

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
		<p>(b) shall provide for the requirements defined in condition 16-9(7) (a) to be met.</p> <p>(d) An appropriate management body for the ceded land.</p> <p>(7) State the management and/or rehabilitation actions to be undertaken including:</p> <p>(a) The objectives and targets to be achieved, including completion criteria.</p> <p>(b) The consistency of the objectives and targets identified in 16-9(7) (a) with the management objectives of the relevant Recovery Plans.</p> <p>(c) Management and/or rehabilitation actions and a timeframe for the actions to be undertaken.</p> <p>(d) Risk management.</p> <p>(e) Funding arrangements and timing of funding for conservation activities.</p> <p>(f) Monitoring, reporting and evaluation mechanisms for</p>						



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M16.10	Residual Impacts and Risk Management Measures - Land Acquisition and Restoration Offsets Strategy	<p>management and/or rehabilitation actions.</p> <p>(8) Define the role of the proponent and/or any third parties.</p> <p>After receiving notice in writing from the CEO that the Land Acquisition and Restoration Offsets Strategy satisfies the requirements of condition 16-9, the proponent shall:</p> <p>(1) Implement the actions in accordance with the requirements of the approved Land Acquisition and Restoration Offsets Strategy.</p> <p>(2) Continue to implement the approved Land Acquisition and Restoration Offsets Strategy until the CEO has confirmed by notice in writing that it has been demonstrated that the completion criteria in the Land Acquisition and Restoration Offsets Strategy have been met and therefore the implementation of the actions is no longer required.</p>	Implement the Land Acquisition and Restoration Offsets Strategy after CEO approval and until the CEO confirms the implementation of the Strategy is no longer required.	CAR.	Overall	After CEO approval and until the CEO confirms the implementation of the Strategy is no longer required.	Not required at this stage	The Strategy is yet to be approved



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M16.11	Residual Impacts and Risk Management Measures - Land Acquisition and Restoration Offsets Strategy	The proponent shall review and revise the Land Acquisition and Restoration Offsets Strategy as and when directed by the CEO.	Revise the Land Acquisition and Restoration Offsets Strategy as directed by the CEO.	Revised Land Acquisition and Restoration Offsets Strategy.	Overall	As and when directed by the CEO.	Not required at this stage	The Strategy is yet to be approved
MS1036: M16.12	Residual Impacts and Risk Management Measures - <i>Caladenia huegelii</i> Habitat Management Plan	Prior to commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO, the proponent shall prepare and submit a <i>Caladenia huegelii</i> Habitat Management Plan to maintain or improve the conservation of <i>Caladenia huegelii</i> to the requirements of the CEO.	Prepare a <i>Caladenia huegelii</i> Habitat Management Plan that includes the information required by condition 16-14 and 16-16.	<i>Caladenia huegelii</i> Habitat Management Plan. CEO approval.	Pre-construction	Prior to commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO.	Completed	Ground disturbing activities commenced on 31 March 2017. OEPA approval dated 15 March 2017 stated condition has been met, as reported in 2017 CAR (Coffey 2017a).



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M16.13	Residual Impacts and Risk Management Measures - <i>Caladenia huegelii</i> Habitat management Plan	The proponent shall prepare the <i>Caladenia huegelii</i> Habitat Management Plan required by condition 16-12 on advice of the Department of Parks and Wildlife.	Prepare a <i>Caladenia huegelii</i> Habitat Management Plan that includes the information required by condition 16-14 and 16-16.	<i>Caladenia huegelii</i> Habitat Management Plan. DPAW advice.	Pre-construction	Prior to commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO.	Compliant	OEPA approval stated condition has been met, as reported in 2017 CAR (Coffey 2017a).
MS1036: M16.14	Residual Impacts and Risk Management Measures – <i>Caladenia huegelii</i> Habitat management Plan	The <i>Caladenia huegelii</i> Habitat Management Plan identified in condition 16-12, shall include details on the: (1) Activities to be undertaken. (2) Consistency of the activities identified in 16-14(1) with the management objectives of the relevant Recovery Plan. (3) Timeframes for undertaking management activities. (4) Roles and responsibilities. (5) Funding arrangements for implementation of the plan. (6) Monitoring, reporting and evaluation mechanisms. (7) Completion criteria.	Prepare a <i>Caladenia huegelii</i> Habitat Management Plan that includes the information required by condition 16-14 and 16-16.	<i>Caladenia huegelii</i> Habitat Management Plan	Pre-construction	Prior to commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO.	Completed	As for M16.13.

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1035: M16.15	Residual Impacts and Risk Measures – <i>Caladenia huegelii</i> Habitat management Plan	The <i>Caladenia huegelii</i> Habitat Management Plan required by condition 16-12 shall apply to A Class Nature Reserves 23756, 46919 and 46875, Bush Forever Site 300.	<i>Caladenia huegelii</i> Habitat Management Plan.	<i>Caladenia huegelii</i> Habitat Management Plan.	Pre-construction	During the implementation of the proposal.	Completed	As for M16.13.
MS1035: M16.16	Residual Impacts and Risk Measures – <i>Caladenia huegelii</i> Habitat management Plan	The activities to be undertaken as identified in condition 16-14(1) shall address the requirement for: (1) Provision of Cable fencing and heavy duty gates. (2) Weed mapping and control. (3) <i>Phytophthora cinnamomi</i> mapping. (4) The development of a hygiene plan based on the mapping as identified in condition 16-16(3). (5) <i>Caladenia huegelii</i> surveys and critical habitat mapping. (6) Other activities to be undertaken that would maintain or improve the conservation status of <i>Caladenia huegelii</i> .	Prepare a <i>Caladenia huegelii</i> Habitat Management Plan that includes the information required by condition 16-14 and 16-16.	<i>Caladenia huegelii</i> Habitat Management Plan.	Pre-construction	Prior to commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO.	Completed	As for M16.13.





MS1035: M16.17	Residual Impacts and Risk Management Measures – <i>Caladenia</i> <i>huegelii</i> Habitat management Plan	Prior to commencement of ground disturbing activities, and after receiving notice in writing from the CEO on the advice of the Department of Parks and Wildlife that the <i>Caladenia huegelii</i> Habitat Management Plan satisfies the requirements of conditions 16-13 to 16-16, or as otherwise agreed by the CEO, the proponent shall implement the <i>Caladenia huegelii</i> Habitat Management Plan until the CEO advises implementation may cease.	Implement the CEO approved <i>Caladenia</i> <i>huegelii</i> Habitat Management Plan.	CAR. Advice from CEO and DPAW.	Overall	Prior to commencem ent of ground disturbing activities, or as otherwise agreed by the CEO until the CEO advises implementati on may cease.	Compliant	The approved plan was implemented prior to the commencement of ground disturbance. Non- conformances with the approved plan related to weed mapping and control are due to a delay in weed mapping by DBCA. A non- conformance with the approved plan regarding development of a hygiene plan for Reserve 23756 is due to delays in dieback mapping by DBCA. CEO has not advised that implementation may cease.
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Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1035: M16.18	Residual Impacts and Risk Measures – <i>Caladenia huegelii</i> Habitat management Plan	The proponent shall review and revise the <i>Caladenia huegelii</i> Habitat Management Plan as and when directed by the CEO.	Revise the <i>Caladenia huegelii</i> Habitat Management Plan Strategy as directed by the CEO.	Revised <i>Caladenia huegelii</i> Habitat Management Plan.	Overall	As and when directed by the CEO.	Compliant	R002, C104
MS1035: M16.19	Residual Impacts and Risk Measures – SCP 20a Offsets Strategy	The proponent shall undertake an offset with the objective of counterbalancing the significant residual impact to:  (1) 4 ha of Threatened Ecological Community SCP 20a, ' <i>Banksia attenuata woodlands over species rich dense shrublands</i> ' as a result of the implementation of the proposal.	Prepare and implement the SCP 20a Offsets Strategy.	SCP 20a Offsets Strategy. CAR.	Overall	Develop the SCP 20a Offsets Strategy within twelve months of the publication of Ministerial Statement No. 1036.  Implement SCP Offsets Strategy until the CEO has confirmed by notice in writing that criteria have been met.	In process	Strategy has not yet been approved.



MS1036: M16.20	Residual Impacts and Risk Management Measures – SCP 20a Offsets Strategy	<p>Within twelve months of the publication of this Statement, the proponent shall prepare and submit an SCP 20a Offsets Strategy to the CEO. The SCP 20a Offsets Strategy shall:</p> <p>(1) Identify an area or areas to be protected, managed and/or rehabilitated for conservation or enhancement of SCP 20a, or habitat necessary to maintain or enhance SCP 20a, identified in condition 16-19(1); include a completed WA Offsets Template, as described in the WA Environmental Offsets Guidelines 2014, as well as the Commonwealth's Offset Assessment Guide, to demonstrate how the proposed offset counterbalances the significant residual impact.</p> <p>(2) Identify the environmental attributes of the offset area(s).</p> <p>(3) Commit to a protection mechanism for any areas of land acquisition, being either the area is ceded to the Crown for the purpose of conservation, or the area is managed under a Conservation Covenant in perpetuity.</p>	Prepare a SCP 20a Offsets Strategy.	SCP 20a Offsets Strategy.	Overall	Within twelve months of the publication of Ministerial Statement No. 1036.	In process	<p>DWER – EPA Services provided comment on the draft Strategy on 23 February 2018, requesting further refinement following discussion with DBCA and DWER. The revised Strategy was transmitted to DWER in June 2018.</p> <p>Strategy is yet to be approved.</p> <p>C098</p>
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<p>(4) If any land is to be ceded to the Crown for the purpose of conservation, the proponent will identify:</p> <p>(a) The quantum of, and provide funds for, the upfront works associated with establishing the conservation area.</p> <p>(b) The quantum of, and provide a contribution of funds for, the management of this area for no less than seven (7) years.</p> <p>(c) The quantum identified in conditions 16-20(5) (a) and 16-20(5) (b) shall provide for the requirements defined in condition 16-20(6) (a) to be met.</p> <p>(d) An appropriate management body for the ceded land.</p>								
<p>(5) State the management and/or rehabilitation actions to be undertaken including:</p> <p>(a) The objectives and targets to be achieved, including completion criteria.</p> <p>(b) Management and/or rehabilitation actions and a timeframe for the actions to be undertaken.</p>								



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M16.21	Residual Impacts and Risk Management Measures – SCP 20a Offsets Strategy	<p>(c) Funding arrangements and timing of funding for conservation activities.</p> <p>(d) Monitoring, reporting and evaluation mechanisms for management and/or rehabilitation actions.</p> <p>(6) Define the role of the proponent and/or any third parties.</p>	Implement the SCP 20a Offsets Strategy as required by condition 16-21.	CAR.	Overall	After receiving CEO approval and until the CEO confirms implementation of the SCP 20a Offsets Strategy is no longer required.	Not required at this stage	Strategy is yet to be approved.





Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M16.22	Residual Impacts and Risk Management Measures – SCP 20a Offsets Strategy	The proponent shall review and revise the SCP 20a Offsets Strategy as and when directed by the CEO.	Review the SCP 20a Offsets Strategy as and when directed by the CEO.	Revised SCP 20a Offsets Strategy.	Overall	As and when directed by the CEO.	Not required at this stage	Strategy is yet to be approved.





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APPENDIX C

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# Supporting/ verifying information



**Table C1 Supporting/Verifying Information**

Type of information	Unique code	Document title/Information description
Correspondence	C001	Contractor notification of September exceedance 10 October 2017 Northern
Correspondence	C002	Letter reporting September exceedances to CEO 11 October 2017 Northern
Correspondence	C003	Memo investigation into September exceedances 10 November 2017 Northern
Correspondence	C004	Letter reporting September exceedances to CEO 4 December 2017 Northern
Correspondence	C005	Contractor notification of September exceedances 17 October 2017 Central
Correspondence	C006	Letter reporting September exceedances to CEO 23 October 2017 Central
Correspondence	C007	Contractor notification of October exceedances 5 December 2017 Central
Correspondence	C008	Letter reporting October exceedances to CEO 5 December 2017 Central
Correspondence	C009	Investigation into October exceedances 20 December 2017 Central
Correspondence	C010	Letter reporting October exceedances to CEO 21 December 2017 Central
Correspondence	C011	Notification of October exceedances 15 November 2017 Northern
Correspondence	C012	Letter reporting October exceedances to CEO 17 November 2017 Northern
Correspondence	C013	Investigation into October exceedances 12 December 2017 Northern
Correspondence	C014	Letter reporting October exceedances to CEO 14 December 2017 Northern
Correspondence	C015	Contractor notification of October exceedances 30 October 2017 Central
Correspondence	C016	Letter reporting October exceedances to CEO 3 November 2017 Central
Correspondence	C017	Investigation into October exceedances to CEO 20 December 2017 Central
Correspondence	C018	Letter reporting October exceedances to CEO 20 December 2017 Central
Correspondence	C019	Contractor notification of November exceedances 18 December 2017 Northern
Correspondence	C020	Letter reporting November exceedances to CEO 19 December 2017 Northern
Correspondence	C021	Investigation into November exceedances 16 January 2018 Northern


Type of information	Unique code	Document title/Information description
Correspondence	C022	Letter reporting November exceedances to CEO 16 January 2018 Northern
Correspondence	C023	Contractor notification of November exceedances 21 December 2017 Central
Correspondence	C024	Letter reporting November exceedances to CEO 21 December 2017 Central
Correspondence	C025	Investigation into November exceedances 16 February 2018 Central
Correspondence	C026	Letter reporting November exceedances to CEO 16 February 2018 Central
Correspondence	C027	Contractor notification of December exceedances 4 January 2018 Northern
Correspondence	C028	Letter reporting December exceedances to CEO 8 January 2018 Northern
Correspondence	C029	Investigation into December exceedances 11 January 2018 Northern
Correspondence	C030	Letter reporting December exceedances to CEO 8 February 2018 Northern
Correspondence	C031	Contractor notification of December exceedances 16 January 2018 Central
Correspondence	C032	Letter reporting December exceedances to CEO 18 January 2018 Central
Correspondence	C033	Investigation into December exceedances 19 March 2018 Central
Correspondence	C034	Letter reporting December exceedances to CEO 19 March 2018 Central
Correspondence	C035	Contractor notification of January exceedances 14 February 2018 Northern
Correspondence	C036	Letter reporting January exceedances to CEO 15 February 2018 Northern
Correspondence	C037	Investigation into January exceedances 2 March 2018 Northern
Correspondence	C038	Letter reporting January exceedances to CEO 7 March 2018 Northern
Correspondence	C039	Contractor notification of January exceedances 6 March 2018 Central
Correspondence	C040	Letter reporting January exceedances to CEO 12 March 2018 Central
Correspondence	C041	Investigation into January exceedances 4 May 2018 Central
Correspondence	C042	Letter reporting January exceedances to CEO 5 May 2018 Central
Correspondence	C043	Contractor notification of DWM5 January exceedance 5 April 2018 Central
Correspondence	C044	Letter reporting DWM5 January exceedance to CEO 10 April 2018 Central
Correspondence	C045	Investigation into DWM5 January exceedance 19 April 2018 Central





Type of information	Unique code	Document title/Information description
Correspondence	C046	Letter reporting DWM5 January exceedance to CEO 20 April 2018 Central
Correspondence	C047	Contractor notification of February exceedance 15 March 2018 Northern
Correspondence	C048	Investigation into February exceedances 9 April 2018 Northern
Correspondence	C049	Letter reporting February exceedances to CEO 16 April 2018 Northern
Correspondence	C050	Contractor notification of February exceedance 16 March 2018 Central
Correspondence	C051	Letter reporting February exceedances to CEO 19 March 2018 Central
Correspondence	C052	Investigation into February exceedances 9 May 2018 Central
Correspondence	C053	Letter reporting February exceedances to CEO 11 May 2018 Central
Correspondence	C054	Contractor notification of March exceedance 16 April 2018 Central
Correspondence	C055	Letter reporting March exceedances to CEO 1 May 2018 Central
Correspondence	C056	Investigation into March exceedances 14 May 2018 Central
Correspondence	C057	Letter reporting March exceedances to CEO 17 May 2018 Central
Correspondence	C058	Contractor notification of March exceedance 17 April 2018 Central
Correspondence	C059	Report of March exceedances 25 June 2018 Central
Correspondence	C060	Letter reporting March exceedances to CEO 26 June 2018 Central
Correspondence	C061	Contractor notification of April exceedances 15 May 2018 Northern
Correspondence	C062	Letter reporting April exceedances to CEO 17 May 2018 Northern
Correspondence	C063	Investigation into April exceedances 26 June 2018 Northern
Correspondence	C064	Letter reporting April exceedances 26 June 2018 Northern
Correspondence	C065	Contractor notification of April exceedances 25 May 2018 Central
Correspondence	C066	Letter reporting April exceedances to CEO 28 May 2018 Central
Correspondence	C067	Investigation into April exceedances 19 July 2018 Central
Correspondence	C068	Letter reporting April exceedances to CEO 19 July 2018 Central
Correspondence	C069	Contractor notification of May exceedance 14 June 2018 Northern
Correspondence	C070	Letter reporting May exceedance to CEO 26 June 2018 Northern
Correspondence	C071	Investigation into May exceedance 2 August 2018 Northern
Correspondence	C072	Letter reporting May exceedances to CEO 9 August 2018 Northern
Correspondence	C073	Contractor notification of May exceedances 15 June 2018 Central
Correspondence	C074	Letter reporting May exceedances to CEO 18 June 2018 Central
Correspondence	C075	Investigation into May exceedances 9 August 2018 Central
Correspondence	C076	Letter reporting May exceedances to CEO 9 August 2018 Central
Correspondence	C077	Contractor notification of June exceedances 12 July 2018 Northern

Type of information	Unique code	Document title/Information description
Correspondence	C078	Investigation into June exceedances 12 September 2018 Northern
Correspondence	C079	Contractor notification of June exceedances 27 July 2018 Central
Correspondence	C080	Investigation into June exceedances 20 September 2018 Central
Correspondence	C081	Letter reporting June exceedances to CEO 2 August 2018 Northern and Central
Correspondence	C082	Letter reporting June exceedances to CEO 21 September 2018 Northern and Central
Correspondence	C083	Contractor notification of July exceedances 6 August 2018 Northern
Correspondence	C084	Letter reporting July exceedances to CEO 9 August 2018 Northern
Correspondence	C085	Investigation into July 2018 exceedances 20 September 2018 Northern
Correspondence	C086	Contractor notification of July exceedances 13 August 2018 Central
Correspondence	C087	Letter reporting July exceedances to CEO 15 August 2018 Central
Correspondence	C088	Investigation into July exceedances 9 October 2018 Central
Correspondence	C089	Letter reporting July exceedances to CEO 9 October 2018 Central
Correspondence	C090	Contractor notification of July exceedances 6 August 2018 Northern
Correspondence	C091	Contractor notification of August exceedances 25 September 2018 Northern
Correspondence	C092	Letter reporting August exceedances to CEO 27 September 2018 Northern
Correspondence	C093	Investigation into August exceedances 5 October 2018 Northern
Correspondence	C094	Contractor notification of August exceedances 25 September 2018 Central
Correspondence	C095	Ippolo Road Annual Report 2018 – email from DBCA
Correspondence	C096	Ippolo Road Annual Report 2018 – gates – email from DBCA
Correspondence	C097	LAROS Rev 2 DWER comments to proponent 21 September 2018
Correspondence	C098	DWER response to draft SCP 20a Offsets Strategy, 23 February 2018
Correspondence	C099	MS 1036 reporting under condition 7-4 Unauthorised disturbance February 2018
Correspondence	C100	MS reporting under condition 7-4 Declared weed March 2018
Correspondence	C101	MS 1036 Reporting under Condition 7-4 Dust
Correspondence	C102	MS 1036 Reporting under Condition 7-4 Dust
Correspondence	C103	MS 1036 Non-conformance with ChHMP
Data	D001	Contractor shapefiles -Northern
Data	D002	Contractor shapefiles - Central
Report	R001	Briefing note: Ministerial Statement 1036, CEMPs audit – Preliminary Findings (Umwelt 2018a)



Type of information	Unique code	Document title/Information description
Report	R002	Compliance Assessment Register (Umwelt 2018b)
Report	R003	Inland Waters Hydrological Processes Baseline Survey Report
Report	R004	Flora and Vegetation Inland Waters Environmental Quality Hydrological Processes Baseline Survey Report
Report	R005	2017 Annual Wetland FV Monitoring Report Northern section
Report	R006	2017 Annual Wetland FV Monitoring Report Central section
Report	R007	DBCA <i>Caladenia huegelii</i> Annual Report

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