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NorthLinkWA

Perth-Darwin National Highway

Compliance Assessment Report

Perth-Darwin National Highway (Swan Valley Section)

DECEMBER 2017







CONTENTS

1	INTRODUCTION	1
1.1	Project Background	1
2	SUMMARY OF PROPOSAL'S IMPLEMENTATION STATUS.....	3
3	STATEMENT OF COMPLIANCE	5
4	DETAILS OF DECLARED COMPLIANCE STATUS	11
4.1	Summary of Compliance	11
4.2	Environmental Management Plans	49
4.2.1	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	76
5	SUPPORTING/VERIFYING INFORMATION.....	79
6	OTHER INFORMATION	81

Tables

4.1	Summary of compliance with conditions of MS 1036	12
4.2	Condition environmental objectives and management targets for terrestrial management plans	49
4.3	Summary of terrestrial management actions to be implemented	53
4.4	Terrestrial monitoring actions to be implemented	55
4.5	Hydrological monitoring actions to be implemented	71
4.6	Inland Waters Environmental Quality Hydrological Processes Condition EMP reporting table	76
4.7	Flora and Vegetation Inland Waters Environmental Quality Hydrological Processes Condition Environmental Management Plan reporting table	77
4.8	Personnel interviewed for this CAR	79

Figures

1.1	Proposal location	2
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Appendices

Appendix A	Compliance status of key characteristics
Appendix B	Audit table
Appendix C	Supporting/ verifying information



Document Control

Revision	Date	Description	Prepared	Reviewed	Approved
A	8/12/2017	Draft (Coffey v1)	M. Doak	D. Morley L. Adams	D. Morley
B	18/12/2017	Final for submission to DWER (Coffey v2)	M. Doak	L. Adams	D. Morley

Prepared by:



A TETRA TECH COMPANY

Coffey Service Australia Pty Ltd
Level 1, Bishops See, 235 St Georges Terrace
Perth WA 6000 Australia
t: +61 8 6218 2100
ABN: 55 139 460 521
coffey.com

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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* (EP Act), in accordance with condition 4–6.

1.1 Project Background

The Commissioner for Main Roads Western Australia is the proponent for the Perth–Darwin National Highway (Swan Valley Section) (Figure 1.1). The proposal is to construct and operate a 38 km 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 proposal is being constructed in stages – principally 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 respectively. 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 proposal was granted approval to be implemented, subject to a number of conditions, under the EP Act on 20 September 2016. Since this time, there have been two changes as follows:

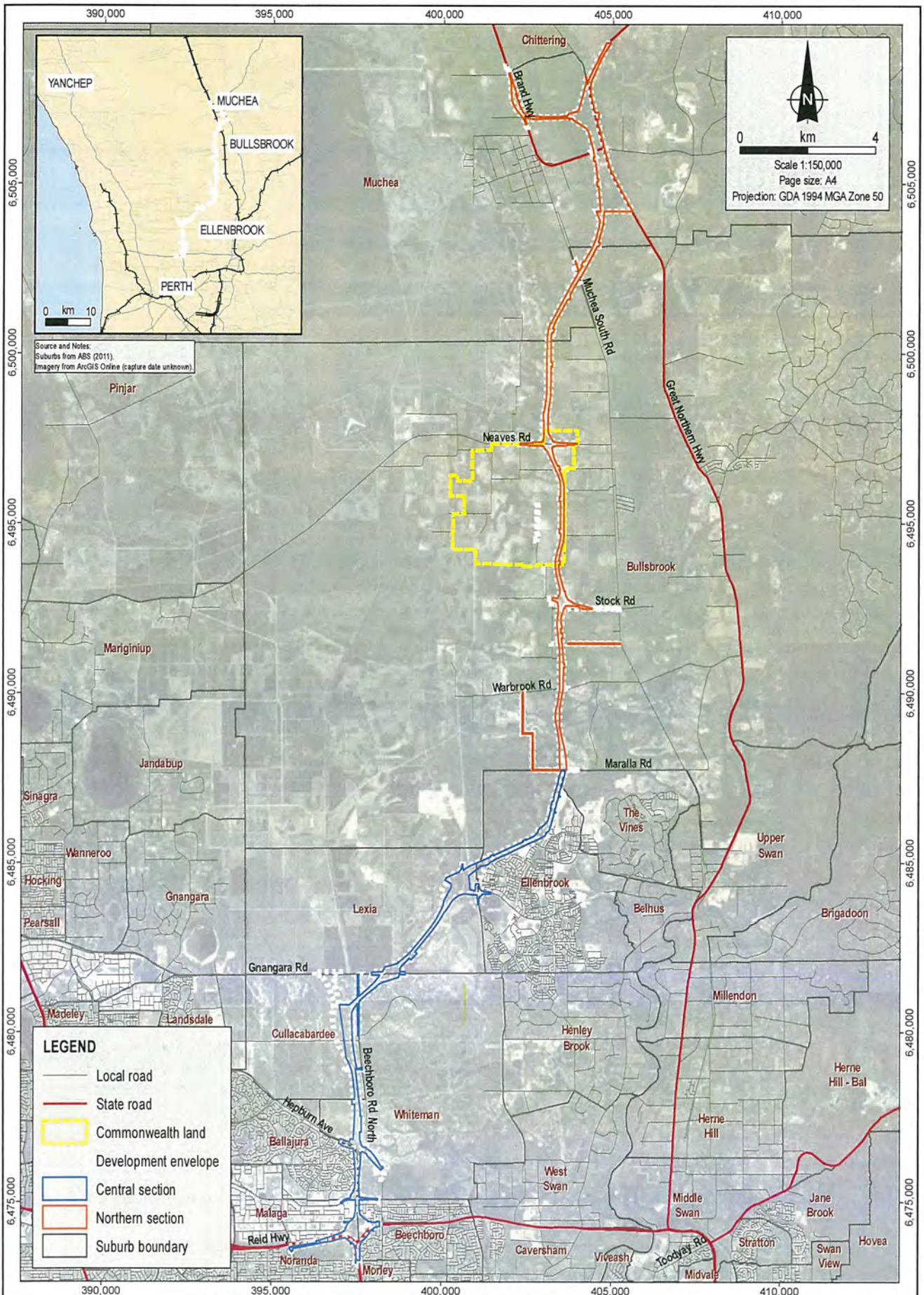
1. On 24 November 2016, a s46C clerical mistake/unintentional error change was made in regard to condition 12-3 such that the Fauna – Construction – Condition Environmental Management Plan shall include management actions rather than threshold contingency actions.
2. On 7 June 2017, a s45C change to 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.

This Compliance Assessment Report (CAR) documents compliance with conditions in MS 1036 for the period 20 September 2016 to 19 September 2017 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*
- (5) indicate any proposed changes to the Compliance Assessment Plan required by condition 4-1.*



Source and Notes:
 Suburbs from ABS (2011).
 Imagery from ArcGIS Online (capture date unknown)

LEGEND

- Local road
- State road
- Commonwealth land
- Development envelope
- Central section
- Northern section
- Suburb boundary

North Arrow

0 km 4

Scale 1:150,000
 Page size: A4
 Projection: GDA 1994 MGA Zone 50



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). Ground disturbance commenced on 31 March 2017 and during the audit period approximately 41% of clearing has occurred (including approximately 69% of native vegetation).

This is considered by the proponent to constitute substantial commencement, and as such this CAR represents the proponent's written evidence to the CEO, under condition 3-2, that substantial commencement of the proposal has occurred before the expiration of five years from the date of issue of MS 1036 (i.e. prior to 20 September 2021).



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3 STATEMENT OF COMPLIANCE

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

Statement of Compliance

1. Proposal and Proponent Details

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

2. Statement of Compliance Details

Reporting Period	<i>20/09/16 to 19/09/17</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)	<input type="checkbox"/>

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

INITIALS: *ML*

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 3-1

Which implementation condition or procedure was non-compliant or potentially non-compliant?
Conditions 7-4.
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)?
18 April 2017 (evidence provided in Appendix C of CAR; R024)

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 Date _____ <input type="checkbox"/> Reported to DWER in writing Date _____	<input checked="" 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 following two management actions from the Condition Environmental Management Plans (Flora and Vegetation – Construction – Condition Environmental Management Plan) were not implemented:
<ul style="list-style-type: none"> Inspect and verify all vehicles and machinery to be free of weeds and soil prior to entering the development envelope. Inspect all vehicles, machinery equipment, tools and footwear on entering and exiting the development envelope.
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)
Development envelope boundary near construction at Maralla and Halden Roads.
What was the cause(s) of the non-compliance or potential non-compliance?
Inspections occurring as they enter or leave infected zones only.
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?
Audit report stated "Consider inspecting and documenting all plant and equipment that arrives to site."
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?
Condition Environmental Management Plan requirements. The measures in the Plan are considered to be appropriate and no amendments have been made.
Please provide information/documentation collected and recorded in relation to this implementation condition or procedure:
<ul style="list-style-type: none"> in the reporting period addressed in this Statement of Compliance; and as outlined in the approved Compliance Assessment Plan for the Statement addressed in this Statement of Compliance. (the above information may be provided as an attachment to this Statement of Compliance)

For additional non-compliance or potential non-compliance, please duplicate this page as required.

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

4. Proponent Declaration

I, ROB ARNOTT (SENIOR PROJECT DIRECTOR), (full name and position title)
 declare that I am authorised on behalf of COMMISSIONER MAIN ROADS
 (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:  Date: 19/12/2017

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 10
 EAST PERTH WA 6892
 Phone: (08) 6364 700
 Email: compliance@dwer.wa.gov.au

7. Post Assessment Guidelines and Forms

Post assessment documents can be found at 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: 

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"> ongoing requirements that have been met during the reporting period; and 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'.
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"> audit elements have a finite period of application (e.g. construction activities, development of a document); the action has been satisfactorily completed; and the DWER has provided written acceptance of 'completed' status for the audit element.
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.	The term 'In Process' may not be used for any purpose other than that stated in the Definition Column. 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).

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



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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. One Potentially Non-compliant condition was identified in regards to condition 7-4 (as outlined in Chapter 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	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 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. C021, Appendix A
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 and during the audit period approximately 41% of clearing had occurred (including approximately 69% of native vegetation). This is considered by the proponent to constitute substantial commencement, and as such this CAR represents the proponent's written evidence to the CEO that substantial commencement of the proposal has occurred before the

Audit code	Subject	Requirement	Status	Further information
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	expiration of five years from the date of issue of MS 1036 (i.e. prior to 20 September 2021). D023 The Plan was submitted in October 2016. The first CAR is required in December 2017, so the Plan was submitted prior to implementation on 31 March 2017, which was sooner. C001, C002
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. (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.	Completed	CAP was approved by OEPA. C002
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 first one.
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.	Not required at this stage	This CAR is the first one.



Audit code	Subject	Requirement	Status	Further information
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 one Potentially Non-compliant condition noted in this CAR (Condition 7.4) was identified on 16 December 2017 during preparation of the CAR. Since this CAR will be submitted on 20 December 2017, it will have been reported to the CEO within 7 days of the potential non-compliance being known.
MS1036: M4.6	Compliance Reporting	<p>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.</p> <p>The Compliance Assessment Report shall:</p> <ol style="list-style-type: none"> (1) Be endorsed by the proponent's Chief Executive Officer 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 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. 	Compliant	<p>This CAR is the first one and addresses the requirements of the condition, where required.</p> <p>This CAR will be made publicly available on the Main Roads website, as has occurred for other documents.</p>


Audit code	Subject	Requirement	Status	Further information
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. Website reviewed: https://project.mainroads.wa.gov.au/northlinkwa/Community%20Environment/Pages/Environment%20Assessment.aspx 13 documents approved and all available on the website. C022
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 CEO with an explanation and reasons why those parts of the plans or reports should not be made publicly available.	Not required at this stage	No request has been made.
MS1036: M6.1	Infrastructure Plan	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: (1) Minimise direct and indirect impacts to conservation significant terrestrial fauna.	Completed in regard to design Not required at this stage in regard to construction	OEPA approved the design documented in the Infrastructure Plan. Appendix A of this CAR shows compliance with clearing limits during this audit period. Construction is not complete.



Audit code	Subject	Requirement	Status	Further information
MS1036: M6.2	Infrastructure Plan	<p>(2) Minimise impacts to hydrological regimes of surface water.</p> <p>(3) Minimise impacts to the quality of groundwater and surface water.</p> <p>(4) Minimise impacts to amenity as low as reasonable practicable.</p> <p>Through the implementation of conditions 6-2 to 6-5.</p> <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. 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 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>	Completed	<p>C003, Appendix A</p> <p>Infrastructure Plan was approved 15 March 2017. Ground disturbing activities commenced on 31 March 2017.</p> <p>C003, C021</p>

Audit code	Subject	Requirement	Status	Further information
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	No request for review and revision made by proponent or received from CEO.
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> <ol style="list-style-type: none"> (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 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 GUPPCA, consistent with the approved Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan as required by condition 13. 	Not required at this stage	Construction not complete.

Audit code	Subject	Requirement	Status	Further information
MS1036: M7.1	Condition Environmental Management Plans (management based)	<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> <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>	Completed	Ground disturbing activities commenced on 31 March 2017. The Plans were approved 14/02/2017, 29/02/2017, 8/02/2017, 15/02/2017 and 31/01/2017. C004, C005, C006, C007, C008, C021
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 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>	Completed	OEPA approval of all Plans. C004, C005, C006, C007, C008



Audit code	Subject	Requirement	Status	Further information
MS1036: M7.3	Condition Environmental Management Plans (management based)	<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> <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, 12-1 and 15-1 were predominantly Compliant or Not required at this stage (Table 4.3). It is understood that Conditions 10-1 and 11-1 are Not required at this stage.</p> <p>CEO has not confirmed that any plans no longer need to be implemented.</p>
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> <p>(1) Report the exceedance or failure to implement management actions in writing within 7 days of identification.</p> <p>(2) Investigate to determine the cause of the management actions not being implemented and/or management targets being exceeded.</p>	Potentially Non-compliant	<p>Audit on 18 April 2017 of construction occurring at Bullsbrook Road Construction Works – Maralla and Halden Roads indicates the following actions were not being implemented:</p> <ul style="list-style-type: none"> Inspect and verify all vehicles and machinery to be free of weeds and soil prior to entering the development envelope



Audit code	Subject	Requirement	Status	Further information
		<p>(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.</p> <p>(4) Provide a report to the CEO within 60 days of the reporting 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>		<ul style="list-style-type: none"> Inspect all vehicles, machinery equipment, tools and footwear on entering and exiting the development envelope. <p>There was no information available during the audit to indicate this has been reported to the CEO.</p> <p>R024</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.	Not required at this stage	No request for review and revision made by proponent or received from CEO.
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.	Not required at this stage	

Audit code	Subject	Requirement	Status	Further information
MS1036: M8.1	Condition Environmental 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. C009, C010, C021
MS1036: M8.2	Condition Environmental Plans (outcome based)	The Condition Environmental Management Plan(s) shall: (1) Specify trigger criteria that will trigger the implementation of trigger level actions if exceeded. (2) Specify threshold criteria that: (a) Provides a limit beyond which the environmental outcomes identified in conditions 13-1 and 14-1 are not achieved. (b) Will trigger the implementation of threshold contingency actions if exceeded. (3) Specify monitoring to determine if trigger criteria and threshold criteria are exceeded. (4) Specify trigger level actions to be implemented in the event that trigger criteria have been exceeded. (5) Specify threshold contingency actions to be implemented in the event that threshold criteria are exceeded. (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. (7) Provide for reporting of exceedances of the trigger and threshold criteria.	Completed	OEPA approval of Plans. C009, C010

Audit code	Subject	Requirement	Status	Further information
MS1036: M8.3	Condition Environmental 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> <ol style="list-style-type: none"> (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. 	Compliant	<p>Monitoring has been undertaken monthly during construction (as well as one baseline monitoring event in the Northern section in July prior to the commencement of construction works).</p> <p>C028, C029, C030, C031, C032</p> <p>CEO has not confirmed that Plans no longer need to be implemented.</p>
MS1036: M8.4	Condition Environmental 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> <ol style="list-style-type: none"> (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 and/or threshold criteria being exceeded in the future. (5) Investigate to determine potential environmental harm or alteration of the environment that occurred due to threshold criteria being exceeded. 	Compliant	<p>Exceedances of trigger and threshold criteria were identified in May, June and July. These exceedances were reported within 7 days of the exceedance being identified. None of the exceedances were considered to be a result of implementation of the proposal.</p> <p>It is understood that further investigations and reporting are being undertaken, however, the 60 day reporting timeline is beyond the audit period of this CAR.</p> <p>Additionally, the reporting associated with August and September 2017 monitoring is beyond the audit period for this CAR.</p>

Audit code	Subject	Requirement	Status	Further information
		<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>		C028, C029, C030, C031, C032
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>	Not required at this stage	No request for review and revision made by proponent or received from CEO.
MS1036: M8.6	Condition Environmental Management Plans (outcome based)	<p>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.</p>	Not required at this stage	
MS1036: M9.1	Flora and Vegetation – Construction Condition Environmental	<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>	Compliant	Of the 27 actions in the Plan, 25 actions were Compliant and 2 were Potentially Non-compliant (Table 4.3). Incident registers did not identify any incidents relating to

Audit code	Subject	Requirement	Status	Further information
MS1036: M9.2	Management Plan	<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>		<p><i>Phytophthora cinnamomi</i>, dust or weeds.</p>
MS1036: M9.3	Flora and Vegetation – Construction – Condition Environmental Management Plan	<p>The proponent shall prepare the Flora and Vegetation – Construction – Conditional Environmental Management Plan required by condition 7-1 on advice of the Department of Parks and Wildlife.</p>	Completed	<p>DPaW comments sought 10/08/2016 and provided 13/09/2016.</p> <p>C011</p>
MS1036: M9.3	Flora and Vegetation – Construction – Condition Environmental Management Plan	<p>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.</p>	Completed	<p>OEPA considered conditions 9-3 to 9-5 not applicable.</p> <p>C004</p> <p>Public Environmental Review document (NLWA-03-EN-RP-0025) included baseline mapping for <i>Phytophthora cinnamomi</i> and weeds.</p>
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> <p>(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.</p>	Completed	<p>As for M9.3.</p>

Audit code	Subject	Requirement	Status	Further information
MS1036: M9.5	Flora and Vegetation – Construction Condition Environmental Management Plan	<p>(2) Detail the proposed methodology for the baseline surveys.</p> <p>(3) Identify and spatially define the proposed survey locations and reference/control sites and provide rationale for the location of the sites.</p> <p>(4) Include a description and map of the areas that are free from <i>Phytophthora cinnamomi</i>.</p> <p>(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.</p> <p>(6) Detail the proposed frequency and timing for the baseline surveys.</p>	Completed	As for M9.3.
MS1036: M9.6	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> <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>	Not required at this stage	Still in construction phase.
MS1036: M9.7	Flora and Vegetation – Construction Condition	<p>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.</p> <p>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.</p>	Not required at this stage	

Audit code	Subject	Requirement	Status	Further information
MS1036: M9.8	Environmental Management Plan 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	Shapefiles of clearing and laydown/stockpile areas indicated that no clearing or disturbance had occurred within the mapped 50 m buffer of <i>Caladenia huegelii</i> . D023
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</i> subsp. <i>incurva</i> . (2) <i>Darwinia foetida</i> .	Compliant	Shapefiles of clearing and laydown/stockpile areas indicated that no clearing or disturbance had occurred within these areas. D023
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 –	Not required at this stage	Proponent advised that implementation of this Plan is not required at this stage.

Audit code	Subject	Requirement	Status	Further information
MS1036: M10.2	Flora and Vegetation – Indirect Impacts and Threatened Flora and Communities – Condition Environmental Management Plan	Indirect Impacts and Threatened Flora and Communities – Condition Environmental Management Plan approved by the CEO. The proponent shall prepare the Flora and Vegetation – Indirect Impacts and Threatened Flora and Communities – Conditional Environmental Management Plan required by condition 7-1 on advice of the Department of Parks and Wildlife.	Completed	DPaW comments sought 10/08/2016 and provided 13/09/2016. C011
MS1036: M11.1	Flora and Vegetation – Progressive Rehabilitation Condition Environmental Management Plan	The proponent shall manage the implementation of the proposal to meet the following environmental objectives: (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. (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. Through implementation of the Flora and Vegetation –Progressive Rehabilitation Condition Environmental Management Plan approved by the CEO.	Not required at this stage	Rehabilitation activities have not yet commenced at Beechboro Road North, as it has not been decommissioned. It is understood that no other areas cleared though no longer required for construction will be subject to rehabilitation, though landscaping will occur.
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. C006

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.	
MS1036: M11.4	Flora and Vegetation – Progressive Rehabilitation Condition Environmental Management Plan	The proponent shall prepare the Flora and Vegetation – Progressive Rehabilitation Conditional 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</i> spp., <i>Hakea</i> spp., <i>Grevillea</i> spp. and <i>Eucalyptus</i> spp. within 10 m of the constructed road carriageway.	Not required at this stage	Landscaping for the project and rehabilitation at Beechboro Road North has not yet commenced.	

Audit code	Subject	Requirement	Status	Further information
MS1036: M12.1	Condition Environmental Management Plan - Fauna Construction Condition Environmental Management Plan	The proponent shall manage the construction of the proposal to meet the following environmental objective: (1) 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.	Compliant	Of the 28 management actions in the Plan, 20 were Compliant and 8 were Not required at this stage (Table 4.3). Incident registers did not identify any incidents relating to conservation significant fauna.
MS1036: M12.2	Fauna Construction Condition Environmental Management Plan	The proponent shall prepare the Fauna – Construction – Conditional Environmental Management Plan required by condition 7-1 on advice of the Department of Parks and Wildlife.	Completed	OEPA approval stated this condition met. C007
MS1036: M12.3	Fauna Construction Condition Environmental Management Plan	The Fauna – Construction – Condition Environmental Management Plan shall include threshold contingency actions, including but not limited to: (1) Best practice design, including shape, size, furniture and sky lights of fauna underpasses. (2) Trapping and relocation of ground dwelling fauna prior to clearing; (3) Presence of fauna spotters during clearing. (4) Dispersal and relocation of fauna identified by fauna spotters as required by condition 12-3(3) during clearing. (5) Any trenching activities.	Completed	OEPA approval stated this condition has been met. C007

Audit code	Subject	Requirement	Status	Further information
MS1036: M13.1	Inland Waters Environmental Quality – Hydrological Processes Condition Environmental Management Plan	<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 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.</p> <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 GUPWPCA.</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>	Compliant in regard to implementation and management to meet objective (1) Not required at this stage in regard to objective (2)	Audit conclusions based on implementation of monitoring, which has been undertaken monthly during construction. C028, C029, C030, C031, C032
MS1036: M13.2	Inland Waters Environmental Quality – Hydrological Processes Condition Environmental Management Plan	The proponent shall prepare the Inland Waters Environmental Quality – Hydrological Processes – Conditional Environmental Management Plan required by condition 8-1 on advice of the Department of Water.	Completed	OEPA approval stated this condition has been met. C009
MS1036: M13.3	Inland Waters Environmental Quality – Hydrological Processes Condition	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 GUPWPCA and in the vicinity of Ellen Brook.	Compliant	Ground disturbing activities commenced on 31 March 2017. It is understood, based on interview, that 16 months of

Audit code	Subject	Requirement	Status	Further information
MS1036: M13.4	Environmental Management Plan 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 GUWPCA 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.	Completed in regard to 13-4, 13-4(2), 13-4(3) and 13-4(4) Compliant in regard to 13-4(1)	baseline data were collected (to March 2017). C021 OEPA approval stated conditions 13-4, 13-4(2), 13-4(3) and 13-4(4) have been met. It is understood, based on interview, that the baseline water quality sampling has been undertaken and a draft report has been prepared to address 13-4(1), however this report was prepared outside of the audit period for this CAR. C012
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.	Compliant	It is understood, based on interview, that the baseline water quality sampling has been undertaken and a draft report has been prepared to address 13-4(1), however this report was prepared outside of the audit for this CAR.
MS1036: M13.6	Inland Waters Environmental Quality – Hydrological Processes –	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.	Not required at this stage	The proponent has yet to report to the CEO on the baseline surveys. It is understood that a draft baseline survey report has been prepared,

Audit code	Subject	Requirement	Status	Further information
MS1036: M13.7	Condition Environmental Management Plan Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	(2) The results of the baseline surveys. 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).	Completed	however, this occurred outside of the audit period for this CAR. OEPA approval stated this condition has been met. C009
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 G UWPCA.	Compliant	Review of contractor shapefiles and well head protection zones in the G UWPCA identified two areas where stockpiles and site compounds were within the well head protection zones. One of these locations could be considered a GIS accuracy issue. The other location related to two stockpiles within the well head protection zones, however, there is a discrepancy in the data available to assess compliance. The contractor has provided information that the stockpiles are outside of the well head protection zones and on the basis of this information it is considered compliant, however,

Audit code	Subject	Requirement	Status	Further information
MS1036: M13.9	Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	Any fuel or chemicals stored within the G UWPCA 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.	Compliant	the discrepancy should be reviewed. D023, R033 Two weekly inspection reports provided for 11/06/2017 and 9/07/2017 indicate these requirements were being met. R025, R026
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 G UWPCA.	Not required at this stage	Construction not yet complete.
MS1036: M14.1	Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental	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.	Compliant	Audit conclusions based on implementation of monitoring, which has been undertaken monthly during construction. C028, C029, C030, C031, C032

Audit code	Subject	Requirement	Status	Further information
MS1036: M14.2	Management Plan	<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>	Completed	OEPA approval stated this condition has been met. C010
MS1036: M14.3	Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	<p>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.</p>	Compliant	Ground disturbing activities commenced on 31 March 2017. It is understood, based on interview, that 16 months of baseline data were collected (to March 2017). C021

Audit code	Subject	Requirement	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"> (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. 	<p>Completed in regard to 14-4, 14-4(2), 14-4(3) and 14-4(4)</p> <p>Compliant in regard to 13-4(1)</p>	<p>OEPA approval stated conditions 14-4, 14-4(2), 14-4(3) and 14-4(4) have been met.</p> <p>It is understood, based on interview, that the baseline water quality sampling has been undertaken and a draft report has been prepared to address 13-4(1), however this report was prepared outside of the audit period for this CAR.</p> <p>C013</p>
MS1036: M14.5	Flora and Vegetation – Inland Waters Environmental Quality Hydrological Processes – Condition Environmental Management Plan	<p>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</p>	Compliant	<p>It is understood, based on interview, that the baseline water quality sampling has been undertaken and a draft report has been prepared to address 13-4(1), however this report was prepared outside of the audit period for this CAR.</p>
MS1036: M14.6	Flora and Vegetation – Inland Waters Environmental Quality Hydrological Processes –	<p>On completion of the baseline surveys the proponent shall report to the CEO on the following:</p> <ol style="list-style-type: none"> (1) Completion of the baseline surveys in accordance with the Baseline Survey Plan. (2) The results of the baseline surveys. 	Not required at this stage	<p>The proponent has yet to report to the CEO on the baseline surveys. It is understood that a draft baseline survey report has been prepared, however, this occurred outside of the audit period for this CAR.</p>

Audit code	Subject	Requirement	Status	Further information
MS1036: M14.7	Condition Environmental Management Plan Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	<p>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.</p>	Not required at this stage	
MS1036: M14.8	Flora and Vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan	<p>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.</p>	Not required at this stage	
MS1036: M14.9	Flora and Vegetation – Inland Waters Environmental Quality –	<p>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.</p>	Compliant	Shapefiles of laydown/stockpile areas indicated no construction in these areas. D023

Audit code	Subject	Requirement	Status	Further information
MS1036: M15.1	Hydrological Processes Condition Environmental Management Plan Amenity (Noise) –Conditional Environmental Management Plan	<p>The proponent shall construct the proposal to meet the following environmental objectives:</p> <ol style="list-style-type: none"> (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. (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>Through implementation of the Amenity (Noise) – Condition Environmental Management Plan, approved by the CEO.</p>	Compliant	<p>Of the five management actions in the Plan, two are Compliant, two are Not required at this stage and 1 is Unable to assess (Table 4.3).</p> <p>Noise liaison register was reviewed and indicates consultation has occurred with various land holders. It is noted that three properties identified in MS 1036 have not been included in the consultation as they were acquired by Main Roads, or are Department of Defence property with no tenant and will be demolished.</p>
MS1036: M15.2	Amenity (Noise) – Conditional Environmental Management Plan	<p>The Amenity (Noise) – Conditional Environmental Management Plan shall include management actions for:</p> <ol style="list-style-type: none"> (1) The design of noise mitigation measures, including but not limited to noise attenuation barriers and noise walls. (2) The procedures to monitor the effectiveness of noise mitigation measures. (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. 	Completed	<p>OEPA approval stated condition has been met.</p> <p>C008</p>

Audit code	Subject	Requirement	Status	Further information
MS1036: M16.1	Residual Impacts and Risk Management Measures	<p>(4) The procedures for noise complaint management and a response framework.</p> <p>The objective of conditions 16-2 to 16-22 is to offset the following significant residual impacts:</p> <ol style="list-style-type: none"> (1) 4 ha of Threatened Ecological Community SCP 20a, 'Banksia attenuata woodlands over species rich dense shrublands'. (2) 5.5 ha of Yanga Complex. (3) 31.9 ha of <i>Caladenia huegelii</i> critical habitat. (4) 129.9 ha of Bush Forever sites. (5) 7.65 ha of A Class Nature Reserves. (6) 207.2 ha of <i>Calyptorhynchus latirostris</i> (Carnaby's black cockatoo) foraging habitat. (7) 120.5 ha of <i>Calyptorhynchus banksii</i> naso (forest red-tailed black cockatoo) foraging habitat. (8) 16 ha of Conservation Category Wetlands. 	Compliant	OEPA approval has been provided for the Ippolo Road Site Land Acquisition and Management Plan, and <i>Caladenia huegelii</i> Habitat Management Plan. The Land Acquisition and Rehabilitation Offsets Strategy, and SCP 20a Offsets Strategy are In Process. C014, C016
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> <ol style="list-style-type: none"> (1) 7.65 ha of A Class Nature Reserves. (2) 202 ha of <i>Calyptorhynchus latirostris</i> (Carnaby's black cockatoo) foraging habitat. (3) 99.1 ha of <i>Calyptorhynchus banksii</i> naso (forest red-tailed black cockatoo) foraging habitat. 	Completed	Ground disturbing activities commenced on 31 March 2017. Plan was approved 8/02/2017. C014, C021
MS1036: M16.3	Residual Impacts and Risk	The Ippolo Road Site Land Acquisition and Management Plan shall:	Completed	OEPA approval stated condition has been met.



Audit code	Subject	Requirement	Status	Further information
	Management Measures – Ippollo Road Site Acquisition and Management Plan	<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</i> naso (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 actions and management activities.</p> <p>(5) Identify roles and responsibilities of the proponent and any agreements with third parties.</p> <p>(6) Detail completion criteria.</p> <p>(7) Include monitoring and reporting requirements.</p>	C014	
MS1036: M16.4	Residual Impacts and Risk Management Measures – Ippollo Road Site Acquisition and Management Plan	<p>After receiving notice in writing from the CEO that the Ippollo 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 Ippollo Road Site Land Acquisition and Management Plan.</p> <p>(2) Continue to implement the approved Ippollo 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 Ippollo Road Site Land</p>	Compliant	<p>Ground disturbing activities commenced on 31 March 2017.</p> <p>The approved Plan (January 2017) outlines that funding of land acquisition is complete.</p> <p>Actions undertaken by DBCA up to 20 September 2017 include pest animal control monitoring, track closures and blockages, dieback</p>

Audit code	Subject	Requirement	Status	Further information
MS1036: M16.5	Residual Impacts and Risk Management Measures – Ioppolo Road Site Acquisition and Management Plan	Acquisition and Management Plan have been met and therefore the implementation of the actions is no longer required.	Compliant	management (Green Bridge maintenance, repair and additional construction), signage is yet to be installed. It is noted that some activities identified for completion in Year 1 of the Plan are yet to be implemented (e.g. signage installed, gates maintained, rubbish removal, feral bee survey and control), however, the audit period of the CAR does not address a full year of implementation of the Plan. CEO has not confirmed that Plan no longer needs to be implemented. C014, C018, C021
MS1036: M16.6	Residual Impacts and Risk Management Measures – Ioppolo Road	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.	Not required at this stage	Ground disturbing activities commenced on 31 March 2017. The approved Plan (January 2017) outlines that funding of land acquisition is complete. Vesting of the land to the Conservation and Parks Commission is outside of the proponent's control.



APPENDIX A

Compliance status of key characteristics





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Table A1 Key characteristics of proposal, Schedule 1 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 than 765.07 ha consisting of up to 206 ha of native vegetation. This includes up to:</p> <ul style="list-style-type: none"> • 129.9 ha of Bush Forever areas. • 0.4 ha of Class A Nature Reserve 46920. • 0.2 ha of Class A Nature Reserve 46919. • 32.6 ha of Gnangara-Moore River State Forest No. 65. • 4 ha of Floristic Community Type SCP 20a Threatened Ecological Community. • 31.9 ha of <i>Caladenia huegelii</i> critical habitat. • 2 ha of <i>Grevillea curviflora</i> subsp. <i>incurva</i> critical habitat. • 16 ha of Conservation Category Wetlands. <p>Within a 1,004.07 ha development envelope.</p>	<p>Compliant</p>	<p>Total clearing and disturbance, based on shapefiles provided for the three separate clearing areas, is approximately 315.2 ha, consisting of approximately 143.5 ha of native vegetation. This includes approximately:</p> <ul style="list-style-type: none"> • 94.3 ha of Bush Forever areas (based on intact native vegetation definition). • 0.1 ha of Class A Nature Reserve 46920 (based on intact native vegetation definition). • 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). • 28.8 ha of Gnangara-Moore River State Forest No. 65 (based on intact native vegetation definition). • 3.3 ha of Floristic Community Type SCP 20a Threatened Ecological Community. • 29.8 ha of <i>Caladenia huegelii</i> critical habitat. • 0 ha of <i>Grevillea curviflora</i> subsp. <i>incurva</i> critical habitat. • 13.7 ha of Conservation Category Wetlands. <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 alternative arrangements to MS 1036.</p> <p>D023</p>

Element	Description of Proposal	Status	Further information
Noise walls	Height of noise walls to be no more than 5 m on residential boundaries between Reid Highway and south of Maralla Road.	Not required at this stage	Interview identified that noise walls are under construction but have not yet been completed.

AA



APPENDIX B

Audit table



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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.

PLA



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
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.	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. C021, Appendix A
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 and during the audit period approximately 41% of clearing had occurred (including approximately 69% of native vegetation). This is considered by the proponent to constitute substantial

PL



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
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 implementation, whichever is sooner.	Completed	The Plan was submitted in October 2016. The first CAR is required in December 2017, so the Plan was submitted prior to implementation on 31 March 2023

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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"> (1) The frequency of compliance reporting. (2) The approach and timing of compliance assessments. (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. 	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	2017, which was sooner. C001, C002 CAP was approved by OEPA. C002
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 first one.

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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 first one.
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 one Potentially Non-compliant condition noted in this CAR (Condition 7.4) was identified on 16 December 2017 during preparation of the CAR. Since this CAR will be submitted on 20 December 2017, it will have been reported to the CEO within 7 days of the potential non-compliance being known.
MS1036: M4.6	Compliance Reporting	The proponent shall submit to the CEO the first Compliance Assessment Report fifteen (15) months from the	Submit a CAR within required timeframe	CAR.	Overall	Initial CAR within 15 months from	Compliant	This CAR is the first one and addresses the

RA



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
		<p>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.</p> <p>The Compliance Assessment Report shall:</p> <ol style="list-style-type: none"> (1) Be endorsed by the proponent's Chief Executive Officer 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 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. 	reporting on the previous 12 months.			<p>date of Ministerial Statement No. 1036.</p> <p>Annually from date of submission of first CAR or a date as agreed by CEO.</p>		<p>requirements of the condition, where required.</p> <p>This CAR will be made publicly available on the Main Roads website, as has occurred for other documents.</p>

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Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
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.	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. Website reviewed: https://project.mainroads.wa.gov.au/northlinkwa/Community%20Environment/Pages/Environment%20Assessment.aspx x 13 documents approved and all available on the website. C022
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	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	No request has been made.



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M6.1	Infrastructure Plan	<p>environmental assets that may be potentially harmed if their location was published.</p> <p>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 CEO with an explanation and reasons why those parts of the plans or reports should not be made publicly available.</p>	Prepare and implement the Infrastructure Plan.	Pre-construction Infrastructure Plan. Post-construction Infrastructure Report.	Overall	Prior to the commencement of ground disturbing activities (pre-construction Infrastructure Plan). Six (6) months following completion of construction (post-construction Infrastructure Report), or as	Completed in regard to design Not required at this stage in regard to construction	OEPA approved the design documented in the Infrastructure Plan. Appendix A of this CAR shows compliance with clearing limits during this audit period. Construction is not complete. C003, Appendix A

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Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M6.2	Infrastructure Plan	<p>Through the implementation of conditions 6-2 to 6-5.</p> <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>	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. C003, C021

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
		<p>(4) The design and location of bioretention swales and infiltration basins in the vicinity of Ellen Brook and within the GUPPCA, 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 Construction	As notified by MRWA or as and when required by the CEO.	Not required at this stage	No request for review and revision made by proponent or received from CEO.

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Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
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.	Implement the revised pre-construction Infrastructure Plan.	CAR.	Pre-construction 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	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	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
		<p>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> <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 GUPCA, 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</p>						

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M7.1	Condition Environmental Management Plans (management based)	<p>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> <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 14/02/2017, 29/02/2017, 8/02/2017, 15/02/2017 and 31/01/2017. C004, C005, C006, C007, C008, C021
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</p>	Prepare and submit Condition Environmental Management Plans required by M9.1,	Condition Environmental Management Plans required by M9.1,	Pre-construction	Prior to the commencement of ground disturbing activities, or as otherwise agreed in	Completed	OEPA approval of all Plans. C004, C005, C006, C007, C008



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
		<p>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 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>M10.1, M11.1, M12.1 and M15.1.</p>	<p>M10.1, M11.1, M12.1 and M15.1.</p>		<p>writing by the CEO.</p>		

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Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M7.3	Condition Environmental Management Plans (management based)	<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> <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</p>	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 management actions associated with Plans required by Conditions 9-1, 12-1 and 15-1 were predominantly Compliant or Not required at this stage (Table 4.3). It is understood that Conditions 10-1 and 11-1 are Not required at this stage. 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)	Condition Environmental Management Plan. 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.	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).	Potentially Non-compliant	Audit on 18 April 2017 of construction occurring at Bullsbrook Road Construction Works – Maralla and Halden Roads indicates the following actions were not being implemented: <ul style="list-style-type: none"> Inspect and verify all vehicles and machinery to be free of weeds and soil prior to entering the development envelope Inspect all vehicles, machinery equipment, tools and

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Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M7.5	Condition Environmental Management Plans	(4) Provide a report to the CEO within 60 days of the reporting required by condition 7-4(1). The report shall include: (a) Cause for failure to implement management actions and/or management targets exceeded. (b) The findings of the investigation required by conditions 7-4(2) and 7-4(3). (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. (d) Relevant changes to proposal activities. (e) Measures to prevent, control or abate the environmental harm which may have occurred.	Review the Condition Environmental Management Plans	Revised Condition Environmental	Overall	As required.	Not required at this stage	footwear on entering and exiting the development envelope. There was no information available during the audit to indicate this has been reported to the CEO. R024
		The proponent may review and revise the Condition Environmental Management Plans, or as otherwise specified by the CEO.		Condition Environmental				No request for review and revision made by proponent or

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Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M7.6	(management based) 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.	as specified by the CEO. Implement the revised Condition Environmental Management Plans.	Management Plan CAR	Overall	Once revisions are approved in writing by the CEO.	Not required at this stage	received from CEO.
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. C009, C010, C021

na

MS1036: M8.2	Condition Environmental Management Plans (outcome based)	The Condition Environmental Management Plan(s) shall: (1) Specify trigger criteria that will trigger the implementation of trigger level actions if exceeded. (2) Specify threshold criteria that: (a) Provides a limit beyond which the environmental outcomes identified in conditions 13-1 and 14-1 are not achieved. (b) Will trigger the implementation of threshold contingency actions if exceeded. (3) Specify monitoring to determine if trigger criteria and threshold criteria are exceeded. (4) Specify trigger level actions to be implemented in the event that trigger criteria have been exceeded. (5) Specify threshold contingency actions to be implemented in the event that threshold criteria are exceeded. (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	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. C009, C010
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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.						

NA



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>	Implement the Condition Environmental Management Plans required by 13-1 and 14-1.	CAR	Overall	<p>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 commencement of ground disturbing Until the CEO has confirmed by notice in writing that the proponent has demonstrated the outcomes</p>	Compliant	<p>Monitoring has been undertaken monthly during construction (as well as one baseline monitoring event in the Northern section in July prior to the commencement of construction works).</p> <p>C028, C029, C030, C031, C032</p> <p>CEO has not confirmed that Plans no longer need to be implemented.</p>
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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.		

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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 threshold criteria were identified in May, June and July. These exceedances were reported within 7 days of the exceedance being identified. None of the exceedances were considered to be a result of implementation of the proposal. It is understood that further investigations and reporting are being undertaken, however, the 60 day reporting timeline is beyond the audit period of this CAR. Additionally, the reporting associated with August and
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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>altercation 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>			<p>September 2017 monitoring is beyond the audit period for this CAR.</p> <p>C028, C029, C030, C031, C032</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.	Not required at this stage	No request for review and revision made by proponent or received from CEO.
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	

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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>	<p>Flora and Vegetation - Construction - Condition Environmental Management Plan to manage <i>Phytophthora cinnamomi</i>, dust and weeds.</p>	<p>Flora and Vegetation – Construction – Condition Environmental Management Plan. CEO approval.</p>	Construction	During construction of the proposal.	Compliant	<p>Of the 27 actions in the Plan, 25 actions were Compliant and 2 were Potentially Non-compliant (Table 4.3).</p> <p>Incident registers did not identify any incidents relating to <i>Phytophthora cinnamomi</i>, dust or weeds.</p>

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Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M9.2	Flora and Vegetation – Construction – Environmental Management Plan	The proponent shall prepare the Flora and Vegetation – Construction – Conditional Environmental Management Plan required by condition 7-1 on advice of the Department of Parks and Wildlife.	Prepare the Flora and Vegetation – Construction – Conditional Environmental Management Plan to meet the environmental objectives set out in condition 9-1.	Flora and Vegetation – Construction – Environmental Management Plan.	Pre-construction	Prior to the commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO.	Completed	DPaW comments sought 10/08/2016 and provided 13/09/2016. C011
MS1036: M9.3	Flora and Vegetation – Construction – 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. C004 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>Phytophthora</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"> (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. (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) Include a description and map of the areas that are free from <i>Phytophthora cinnamomi</i>. (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. 	specific mapping is not available.	<i>ra cinnamomi</i> and weed.		prior to the commencement of ground disturbing activities.		

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Audit code	Subject	Requirement	Status	Further information
MS1036: M16.7	Site Acquisition and Management Plan 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	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: (1) 5.5 hectares of Yanga Complex. (2) 129.9 hectares of Bush Forever sites. (3) 5.2 hectares of <i>Calyptorhynchus latirostris</i> (Carnaby's black cockatoo) foraging habitat. (4) 21.4 hectares of <i>Calyptorhynchus banksii naso</i> (forest red-tailed black cockatoo) foraging habitat. (5) 16 hectares of Conservation Category Wetlands.	In Process	Transmittal letter shows Strategy was submitted to DWER – EPA Services on 20 September 2017. DWER – EPA Services provided comment on the draft Strategy on 19/10/2017, requesting revisions to the document. Revision of the document is understood to be in process. C015, C020
MS1036: M16.9	Residual Impacts and Risk Management Measures – Land Acquisition	The Land Acquisition and Restoration Offsets Strategy required by condition 16-8 shall: (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.	In Process	As for M16.8.



Audit code	Subject	Requirement	Status	Further information
	and Restoration Offsets Strategy	<p>(2) Identify the area(s) of land to be acquired which must contain:</p> <ul style="list-style-type: none"> (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. (b) 181 ha with vegetation communities and/or complexes and conditions commensurate with the Bush Forever sites being impacted. (c) No less than 5.5 ha of Yanga Complex. <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> <ul style="list-style-type: none"> (a) 5.2 ha of <i>Calyptorhynchus latirostris</i> (Carnaby's black cockatoo) potential foraging habitat. (b) 2.1.4 ha of <i>Calyptorhynchus banksii naso</i> (forest red-tailed black cockatoo) potential foraging habitat. <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> <ul style="list-style-type: none"> (a) The quantum of, and provide funds for, the upfront works associated with establishing the conservation area. (b) The quantum of, and provide a contribution of funds for, the management of this area for no less than seven (7) years. 		

Audit code	Subject	Requirement	Status	Further information
MS1036: M16.10	Residual Impacts and Risk Management Measures - Land Acquisition and Restoration Offsets Strategy	<p>(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.</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> <ul style="list-style-type: none"> (a) The objectives and targets to be achieved, including completion criteria. (b) The consistency of the objectives and targets identified in 16-9(7) (a) with the management objectives of the relevant Recovery Plans. (c) Management and/or rehabilitation actions and a timeframe for the actions to be undertaken. (d) Risk management. (e) Funding arrangements and timing of funding for conservation activities. (f) Monitoring, reporting and evaluation mechanisms for management and/or rehabilitation actions. <p>(8) Define the role of the proponent and/or any third parties.</p>	Not required at this stage	
		<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"> (1) Implement the actions in accordance with the requirements of the approved Land Acquisition and 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. 		



Audit code	Subject	Requirement	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.	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. C016, C021
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.	Completed	OEPA approval stated condition has been met. C016
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.	Completed	As for M16.13.

Audit code	Subject	Requirement	Status	Further information
MS1035: M16.15	management Plan Residual Impacts and Risk Management Measures – <i>Caladenia huegelii</i> Habitat management Plan	<ul style="list-style-type: none"> (4) Roles and responsibilities. (5) Funding arrangements for implementation of the plan. (6) Monitoring, reporting and evaluation mechanisms. (7) Completion criteria. <p>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.</p>	Completed	As for M16.13.
MS1035: M16.16	Residual Impacts and Risk Management Measures – <i>Caladenia huegelii</i> Habitat management Plan	<p>The activities to be undertaken as identified in condition 16-14(1) shall address the requirement for:</p> <ul style="list-style-type: none"> (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>. 	Completed	As for M16.13.
MS1035: M16.17	Residual Impacts and Risk Management Measures –	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	Compliant	Ground disturbing activities commenced on 31 March 2017. The only management action required to be completed by



Audit code	Subject	Requirement	Status	Further information
	<p><i>Caladenia huegelii</i> Habitat management Plan</p>	<p>implement the <i>Caladenia huegelii</i> Habitat Management Plan until the CEO advises implementation may cease.</p>		<p>October 2017 (as outlined in the Plan) was baseline <i>Caladenia huegelii</i> surveys, all other actions had completion timing beyond the time relevant to this audit period. DBCA annual report indicates that the surveys commenced in 2017 in Critical Habitat Areas, however were not completed (this is expected to occur in October/November 2017, and therefore would be reported in the next compliance report). It is understood that baseline <i>Caladenia huegelii</i> surveys in MRWA managed lands were also being undertaken by DBCA. A range of other management actions had also commenced. CEO has not advised that implementation may cease. R002, C021</p>
<p>MS1035; M16.18</p>	<p>Residual Impacts and Risk Management Measures – <i>Caladenia huegelii</i> Habitat management Plan</p>	<p>The proponent shall review and revise the <i>Caladenia huegelii</i> Habitat Management Plan as and when directed by the CEO.</p>	<p>Not required at this stage</p>	<p>No direction to review or revise the Plan has been received from the CEO.</p>

Audit code	Subject	Requirement	Status	Further information
MS1035: M16.19	Residual Impacts and Risk Management Measures – SCP 20a Offsets Strategy	<p>The proponent shall undertake an offset with the objective of counterbalancing the significant residual impact to:</p> <p>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.</p>	Not required at this stage	Strategy has not yet been approved, and therefore not implemented at this stage.
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> <ol style="list-style-type: none"> (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. (2) Identify the environmental attributes of the offset area(s). (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. (4) If any land is to be ceded to the Crown for the purpose of conservation, the proponent will identify: <ol style="list-style-type: none"> (a) The quantum of, and provide funds for, the upfront works associated with establishing the conservation area. (b) The quantum of, and provide a contribution of funds for, the management of this area for no less than seven (7) years. (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. 	In process	<p>Transmittal letter shows that Strategy was submitted to DWER – EPA Services on 20 September 2017.</p> <p>DWER – EPA Services provided comment on the draft Strategy on 19/10/2017, requesting revisions to the document. Revision of the document is understood to be in process.</p> <p>C017, C020</p>

Audit code	Subject	Requirement	Status	Further information
MS1036: M16.21	Residual Impacts and Risk Management Measures – SCP 20a Offsets Strategy	<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> <ul style="list-style-type: none"> (a) The objectives and targets to be achieved, including completion criteria. (b) Management and/or rehabilitation actions and a timeframe for the actions to be undertaken. (c) Funding arrangements and timing of funding for conservation activities. (d) Monitoring, reporting and evaluation mechanisms for management and/or rehabilitation actions. <p>(6) Define the role of the proponent and/or any third parties.</p>	Not required at this stage	
MS1036: M16.22	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> <ul style="list-style-type: none"> (1) Implement the actions in accordance with the requirements of the approved SCP 20a Offsets Strategy. (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>The proponent shall review and revise the SCP 20a Offsets Strategy as and when directed by the CEO.</p>	Not required at this stage	The 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

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, 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 Section 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
Key environmental factor: Flora and Vegetation Ministerial Statement 1036, conditions 9-1 to 9-9		
Condition environmental objective 1: To ensure that <i>Phytophthora cinnamomi</i> is not introduced into disease free areas by construction activities during construction.	<i>Phytophthora cinnamomi</i> was not introduced into disease-free areas by construction activities. Management target 1 has been met.	Compliant
Condition environmental objective 2: To ensure that impacts to flora and vegetation from dust are minimised as far as practicable during construction.	Impacts to flora and vegetation from dust were minimised as far as practicable during construction. Management target 2 has been met.	Compliant
Condition environmental objective 3: To ensure that impacts to flora and vegetation from the introduction or spread of weeds are minimised as far as practicable during construction.	Impacts to flora and vegetation from the introduction or spread of weeds were minimised as far as practicable during construction. Management targets 3 and 4 have been 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
<p>Condition 9-8:</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>. Management target 5 has been met.</p>	Compliant
<p>Condition 9-9:</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> <ol style="list-style-type: none"> 1. <i>Grevillea curviloba</i> subsp. <i>incurva</i>; and 2. <i>Darwinia foetida</i>. 	<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>. Management target 5 has been met.</p>	Compliant
<p>Key environmental factor: Flora and Vegetation Ministerial Statement 1036, conditions 10-1 and 10-2</p>		
<p>Condition environmental objective 1:</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 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>Indirect impacts to Threatened flora and communities were minimised as far as practicable. Management targets 1 to 4 have been met.</p>	Not required at this stage
<p>Condition environmental objective 2:</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. Management target 5 has been met.</p>	Not required at this stage
<p>Key environmental factor: Flora and Vegetation Rehabilitation Ministerial Statement 1036 conditions 11-1 to 11-6</p>		
<p>Condition environmental objectives</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>	<p>No clearing solely for temporary activities is planned and therefore no actions are required to be taken or specified to meet the environmental objective stated in condition 11-1(1).</p>	Completed
<p>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>The section of Beechboro Road North from Jules Steiner Memorial Drive to Gnangara Road was rehabilitated within twelve months of decommissioning this section of road.</p>	Not required at this stage
<p>Management targets</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
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
Completion criteria		
Completion criterion 1	Total native species richness across the rehabilitation site has a minimum of 46 native species.	Not required at this stage
Completion criterion 2	Average native species per quadrat has a minimum of 26 native species per 100 m ² .	Not required at this stage
Completion criterion 3	Tree species richness across the rehabilitation site includes the following five tree species: <ul style="list-style-type: none"> • <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
Key environmental factor: Fauna Ministerial Statement 1036, conditions 12-1 to 12-3		
Condition environmental objective: 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
Key environmental factor: Amenity (noise) Ministerial Statement No. 1036, conditions 15-1 and 15-2		
Conditional environment objective 1: To ensure that impacts to the noise amenity of existing sensitive receptors delineated in Figure 7 of	Impacts from operational noise to existing sensitive receptors north 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
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.	were minimised as low as reasonably practicable. Management target 1 has been met.	
Conditional environment objective 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.	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. Management target 2 has been met.	Not required at this stage

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. The proponent advised that Condition 10 and 11 do not yet have to be implemented.

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 keys impacts	Number of management actions	Status
Condition 9: Flora and Vegetation – Construction – Condition Environmental Management Plan		
Spread of <i>Phytophthora cinnamomi</i> (into disease-free areas).	13	12 actions Compliant 1 action Potentially Non-compliant
Introduction of new declared weed species into development envelope or adjacent environmentally sensitive areas.	10	9 actions Compliant 1 action Potentially Non-compliant
Spread of weeds within development envelope or adjacent environmentally sensitive areas.		
Dust deposition on vegetation.	1	Compliant
Protection of <i>Caladenia huegelii</i> buffer.	1	Compliant
Protection of <i>Grevillea curviloba</i> subsp. <i>incurva</i> buffer.	1	Compliant
Protection of <i>Darwinia foetida</i> buffer.	1	Compliant
Condition 10: Flora and Vegetation – Indirect Impacts and Threatened Flora and Communities – Condition Environmental Management Plan		
Vegetation loss and degradation through indirect impacts.	4	Not required at this stage
SCP20a.	5	Not required at this stage
Changes in surface water regime.	5	Not required at this stage
Condition 11: Flora and Vegetation – Progressive Rehabilitation – Condition Environmental Management Plan		
Poor rehabilitation success at the redundant section of Beechboro Road North.	17	Not required at this stage



Risk and keys impacts	Number of management actions	Status
Condition 12: Fauna – Construction – Condition Environmental Management Plan		
Loss of ecological connectivity.	8	Not required at this stage
Mortality of conservation significant fauna.	17	Compliant
Disturbance of Black Cockatoo nests.	3	Compliant
Condition 15: Amenity (Noise) – Condition Environmental Management Plan		
Noise disruption to existing sensitive receptors along the alignment and reduction in amenity.	5	2 actions Compliant 2 actions Not required at this stage 1 action Unable to assess

Table 4.4 Terrestrial monitoring actions to be implemented

Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
Condition 9: Flora and Vegetation – Construction – Condition Environmental Management Plan						
Management target 1: No introduction of <i>Phytophthora cinnamomi</i> into disease-free areas by construction activities.						
<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"> Identifying visible symptoms of disease in species susceptible to <i>P. cinnamomi</i>. Confirming disease presence through laboratory analysis of soil and plant tissues. Dieback management plan. 	Boundary of, and up to 10 m within, disease-free areas adjacent to the development envelope (as shown in Figures 1, 3 and 6 in Appendix C).	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"> Pre-construction monitoring (after significant spring rainfall and increasing soil temperatures), in addition to baseline monitoring undertaken by Terratree (2014). Construction – annually (after significant spring rainfall and increasing soil temperatures) 	Non-conformance with the dieback management plan.	Compliant Re-check undertaken in December 2016



Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
<p>Management target 2: No loss of flora or vegetation from dust generated by construction activities within the development envelope and adjacent environmentally sensitive areas.</p>	<p>Loss of flora and vegetation due to dust smothering.</p>	<p>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.</p> <p>Record observations within a plot at each 5 m interval.</p> <p>Photographic record of transect.</p> <p>Refer to Appendix D for detailed method including transect and plot design and placement.</p>	<p>At monitoring sites (transects) as shown in Figures in Appendix C, specifically:</p> <p>Environmentally sensitive areas:</p> <ul style="list-style-type: none"> <i>Caladenia huegelii</i> 50 m buffer – FV16B. <i>Grevillea curviloba</i> subsp. <i>incurva</i> 10 m buffer – FVB2B. <i>Darwinia foetida</i> 10 m buffer – FV37B. CCWs – FV02E, FV04S, FV04E, FV06W, FV16W, FV16N, FV18W, FV19E, FV24E, FV28E. Claypans of the SCP – FV37E. Communities of Tumulus Springs – FV29W. <p>Native flora and vegetation in Excellent to Pristine condition:</p>	<ul style="list-style-type: none"> Quarterly. 	<ul style="list-style-type: none"> Dust deposition / plant stress aggregate score of 7 recorded. 	<p>Unable to assess as no evidence provided</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.	<ul style="list-style-type: none"> FV05W, FV05E, FV06W, FV06E, FV08W, FV08E, FV09E, FV14N, FV15N, FV15S, FV16E, FV16W, FV16N, FV17W, FV17E, FV18W. Clearing edge within the development envelope.	Observations of dust covering on plant leaves including: <ul style="list-style-type: none"> Location. Extent of dust deposition (0-4 scale). 	<ul style="list-style-type: none"> Weekly. 	<ul style="list-style-type: none"> Dust covering on plants with a score of 2 or higher. 	Compliant

Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
Management target 3: No new declared weed species introduced into the development envelope or adjacent environmentally sensitive areas by construction activities.						
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"> Pre-construction (spring) – declared weed survey mapping. Construction – monthly visual inspections and annual declared weed survey mapping. 	<ul style="list-style-type: none"> Increase in declared weed species density and/or numbers from pre-construction monitoring observations in the development envelope. 	Compliant
	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"> Weekly and unscheduled inspections. 	<ul style="list-style-type: none"> Non-conformance with weed management plan. 	Compliant

Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
<p>Spread of weeds.</p> <p>Management target 4: No weeds introduced or spread by construction activities to weed-free areas in the development envelope and adjacent environmentally sensitive areas.</p>	<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 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>Environmentally sensitive areas:</p> <ul style="list-style-type: none"> • <i>Caladenia huegelii</i> 50 m buffer – FV16B. • <i>Grevillea curviloba</i> subsp. <i>incurva</i> 10 m buffer – FVB2B. • <i>Darwinia foetida</i> 10 m buffer – FV37B. • CCWs – FV02E, FV04S, FV04E, FV06W, FV16W, FV16N, FV18W, FV19E, FV24E, FV28E. • Claypans of the SCP – FV37E. • Communities of Tumulus Springs – FV29W. <p>Native flora and vegetation not infested by weeds:</p> <ul style="list-style-type: none"> • Excellent to Pristine vegetation – FV05W, 	<p>Number, species and location of weeds.</p>	<ul style="list-style-type: none"> • Pre-construction (spring) – weed survey. • Construction – annual weed survey. 	<ul style="list-style-type: none"> • Increase in weed species, density and/or numbers from pre-construction monitoring observations within the development envelope and adjacent environmentally sensitive areas. 	<p>Unable to assess as no evidence provided</p>



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"> Monthly. 	<ul style="list-style-type: none"> Increase in weed species, density and/or numbers from pre-construction monitoring observations within the development envelope. 	Compliant
	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"> Weekly and unscheduled inspections. 	<ul style="list-style-type: none"> Non-conformance with weed management plan. 	Compliant

Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
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>.						
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"> FV16B – <i>Caladenia huegelii</i> 50 m buffer. FVB2B – <i>Grevillea curviloba</i> subsp. <i>incurva</i> 10 m buffer. FV37B – <i>Darwinia foetida</i> 10 m buffer. 	Observations of disturbance in buffers including: <ul style="list-style-type: none"> Evidence of unauthorised access. Presence of laydown areas or stockpiles. 	<ul style="list-style-type: none"> While construction activities are occurring within proximity of threatened flora – weekly. At all other times during construction – quarterly. 	<ul style="list-style-type: none"> Evidence of disturbance to fences around the buffers established around Threatened flora species. 	Compliant
Condition 10: Flora and Vegetation – Indirect Impacts and Threatened Flora and Communities – Condition Environmental Management Plan						
Indirect impacts	Visual observations of selected parameters at 5 m intervals, along a 30 m long transect at each monitoring site. Record observations within a plot at each 5 m interval. Photographic record of transect. Refer to Appendix B for detailed method including	At monitoring sites (transects) as shown in Figure 2 and listed in Appendix A, specifically: Remnant vegetation: FV01S, FV03E, FV07W, FV07E, FV08W, FV08E, FV09E, FV09W, FV11E, FV13S, FV13E, FV14N, FV15N, FV15S, FV16E, FV17W, FV17S, FV17E, FV19W, FV22E, FV23W, FV26E, FV26W, FV29E,	<ul style="list-style-type: none"> Perennial native vegetation cover (%) and species diversity (richness and abundance). Introduced vegetation (weed) cover (%) and species diversity (richness and abundance). Level of dust. Plant deaths. Presence of wind throw. 	Baseline in spring prior to construction. Quarterly during construction. In spring annually post-construction. Quarterly post-construction for weeds.	Indirect impacts extend into intact native vegetation further than: <ul style="list-style-type: none"> 6 m; or 3 m in one year. 	Compliant



Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
	transect and plot design and placement.	FV33W, FV33E, FV34W, FV34E, FV35W, FVB1N, FVB1S. CCWs: FV02E, FV04S, FV04E, FV06W, FV16W, FV16N, FV18W, FV19E, FV24E, FV28E. Claypans of the SCP: FV37E. Communities of Tumulus Springs (Organic Mound Springs, SCP): FV29W. Caladenia huegelii habitat: FV15N, FV15S, FV16E, FV16N, FV17S, FV17W, FV17E. SCP20a: FV05W, FV05E, FV06E.	<ul style="list-style-type: none"> Litter (rubbish) presence. Vegetation condition (Keighery, 1994). Evidence of unauthorised access (from the road reserve). Evidence of fire caused by construction or maintenance activities. Broad vegetation structure. Presence of conservation significant flora. Backwater/ponding. 			
	Visual observations 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"> Number, species and location of weeds. Litter (rubbish) presence. 	Monthly during construction. Quarterly post-construction.	Increase in weed numbers, species or locations. Increase in litter.	Unable to assess as no evidence provided

Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
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"> FVB2B – <i>Grevillea curviloba</i> subsp. <i>incurva</i> 10 m buffer. FV37B – <i>Darwinia foetida</i> 10 m buffer. 	<ul style="list-style-type: none"> Indirect impact parameters (refer to Appendix B and first row of this table). Number and condition of <i>Grevillea curviloba</i> subsp. <i>incurva</i> individuals (FVB2B only). Number and condition of <i>Darwinia foetida</i> individuals (FV37B only). 	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"> 3 m of the buffer radius in total; or 2 m of the buffer radius in one year. Decrease in plant condition of <i>Grevillea curviloba</i> subsp. <i>incurva</i> or <i>Darwinia foetida</i> .	Unable to assess as no evidence provided
Changes in surface water regime	Visual observation and measurement of backwater or ponding of water. Photographic record.	During construction, edge of the development envelope once area has been cleared. During operation, drainage infrastructure, specifically: <ul style="list-style-type: none"> On PDNH: <ul style="list-style-type: none"> Culverts (upstream and downstream). Bio-retention swales. Infiltration basins. 	<ul style="list-style-type: none"> Backwater or ponding of water. 	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.	Presence of backwater or ponding of water over a period of two consecutive days at distances further than: <ul style="list-style-type: none"> 6 m from the edge of the development envelope; or 3 m from the edge of the development 	Compliant



Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
Changes in surface water regime	<p>Visual observation for evidence of unauthorised project activity or ground disturbance.</p> <p>Photographic record.</p>	<ul style="list-style-type: none"> • On Great Northern Highway: <ul style="list-style-type: none"> – Culvert located between Claypans of the SCP and Ellen Brook. • Local catchment for <i>Darwinia foetida</i>; i.e. on Great Northern Highway: <ul style="list-style-type: none"> – Culvert and alignment embankment located between the Claypans of the SCP and the Ellen Brook. – Road train assembly area. • 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. 	<ul style="list-style-type: none"> • Evidence of unauthorised project activity or ground disturbance. 	Weekly during construction.	envelope during the first year post-construction.	Compliant

Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
Condition 11: Flora and Vegetation – Progressive Rehabilitation – Condition Environmental Management Plan						
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 nine 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. Refer to Appendix A for detailed method.	Post revegetation. Quarterly for three years. After initial three years, annually in spring until completion criterion is met.	Weed infestation > 5% after first year. Declared pest weeds or WONS present.	Not required at this stage
Species richness	Total native species richness across the rehabilitation site is a minimum of 46 native species. Species richness per 100 m ² 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



Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
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
Condition 12: Fauna – Construction – Condition Environmental Management Plan						
Management target 1: 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 the fauna movement survey and construction with consideration of guidance where available.	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.	Not required at this stage
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. Vegetation cover.	Once, on installation of the fauna bridge. Annually for three years, to assess	N/A – The fauna bridge will be in or out of specification. Less than 50% vegetation cover after two years.	Not required at this stage

Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
				vegetation cover.		
Management target 2: Minimise mortality of conservation significant fauna during construction.						
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.	Compliant
	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.	Compliant



Indicator	Method/Completion criteria	Monitoring site/location	Parameters	Frequency	Early warning indicator	Status
Management target 3: No disturbance of active Black Cockatoo nests.						
Disturbance of Black Cockatoo nests.	<p>Observe marked breeding tree hollows for signs of disturbance by use of cameras on poles or cherry pickers.</p> <p>Conduct walkover inspection of applied 10 m buffers around marked breeding trees for signs of disturbance.</p>	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.	Compliant
Condition 15: Amenity (Noise) – Condition Environmental Management Plan						
Effectiveness of noise walls.	<p>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.</p> <p>The monitoring will include:</p> <ul style="list-style-type: none"> Record noise levels at existing noise sensitive properties located south of Maralla Road. 	<p>Existing noise sensitive properties located south of Maralla Road.</p> <p>Existing noise sensitive properties located south of Maralla Road from which a complaint has been received</p>	<p>Below limit of $L_{Aeq} (Day)$ 60 dB(A) and $L_{Aeq} (Night)$ 55 dB(A) at noise sensitive properties south of Maralla Road.</p>	<p>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.</p> <p>Within 1 month of receiving complaint.</p>	<p>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).</p>	<p>Not required at this stage</p> <p>Not required at this stage</p>

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


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





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.					
Condition 14: Flora and vegetation – Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan						
Groundwater and surface water quality relevant to Claypans of the Swan Coastal Plain, Communities of Tumulus Springs and CCWs.	<p>Groundwater quality:</p> <ul style="list-style-type: none"> Measure physicochemical water quality, using a calibrated water quality meter. Collect groundwater samples using a passive sampling device or other industry accepted method deemed suitable for groundwater monitoring purposes. <p>Surface water quality:</p> <ul style="list-style-type: none"> 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. To ensure a representative and comparable baseline dataset, three surface water samples are to be 	<p>Sampling group Claypans of the Swan Coastal Plain</p> <p>SWL20</p> <p>MW50, MW51, MW52</p> <p>Sampling group Communities of Tumulus Springs</p> <p>SWL17</p> <p>MW40, MW41, MW42</p> <p>Sampling group CCWs</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"> Metals Nutrients and physical parameters 	<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> <p>Monthly in construction zones.</p> <p>Quarterly in all other areas (March, June, September and December).</p>	<p>Biannually (March and September).</p>	Compliant



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>	<p>MW28, MW29, MW30, MW31, MW32, MW36, MW37, MW38, MW39, MW40, MW41, MW42, MW55</p>	<ul style="list-style-type: none"> Herbicide 	Monthly in construction zones.		Compliant
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>Basin monitoring sites B04, B05, B06, B20, B21, B22</p>	<ul style="list-style-type: none"> Metals Organics 	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>CCW SWL1</p> <p>Communities of Tumulus Springs SWL17</p> <p>Claypans of the Swan Coastal Plain SWL20</p>	<ul style="list-style-type: none"> Surface water level 	Fortnightly in active dewatering zones. Monthly in construction zones. Quarterly in all other areas.	Biannually.	Compliant

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>Sampling group Communities of Tumulus Springs MW40, MW41, MW42</p> <p>Sampling group CCWs 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"> Groundwater level 	<p>Fortnightly in active dewatering zones.</p> <p>Monthly in construction zones.</p> <p>Quarterly in all other areas.</p>	Biannually.	Compliant
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>Wetland (CCW) flora and vegetation transect sites GHD12, SVB020, GHD21, SVB040, SVB044, SVB048, SVB052, SVB056</p> <p>Communities of Tumulus Springs flora and vegetation transect site SVB098</p> <p>Claypans of the Swan Coastal Plain flora and vegetation transect sites</p>	<p>Within the 5 x 5 m plot:</p> <ul style="list-style-type: none"> Level of plant stress (0-4 scale) (refer to Appendix C). <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.	Unable to assess as no evidence provided

Environmental value	Method summary	Monitoring sites	Parameters to be analysed	Frequency (during construction)	Frequency (post-construction)	Status
Surface water flows to <i>Darwinia foetida</i>	Visual observation for evidence of unauthorised construction or maintenance works.  Photographic record.	SVB086, SVB085 40 m and 10 m monitoring buffers established around the known population of <i>Darwinia foetida</i> (FV37B).	<ul style="list-style-type: none"> Construction or maintenance works. Presence of laydown areas. Presence of stockpiles. 	<ul style="list-style-type: none"> Weekly during construction. 	Biannually.	Compliant
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. 	PDNH culvert monitoring sites 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). Existing culvert under Great Northern Highway between Claypans of the Swan Coastal Plain and Ellen Brook in Muchea (during operations only).	<ul style="list-style-type: none"> Backwater or ponding of water. 	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.	Compliant



4.2.1 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

The following monitoring was relevant to the audit period (noting construction occurred May – September 2017):

- Central section – monitoring in May, June and July (August and September monitoring is understood to have been undertaken, however, receipt of laboratory analysis results and any reporting requirements occurred outside of the audit period for this CAR);
- Northern Section – one baseline monitoring event occurred in July (monthly monitoring during construction is understood to have occurred in September, after the audit period for this CAR).

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

- Nutrients.
- *E. coli*.
- Metals.
- Hydrocarbons.
- BTEX.
- General parameter analytes.

The exceedances are not considered to be a result of implementation of the proposal.

Reports with further details regarding the exceedances are contained within Appendix C (C028, C029 and C030).

It is also noted that a response from DWER was received in regards to reporting of exceedances in the Central section for June and July, with the following statement included in the email:

Noting that ground disturbing works so far involve clearing and some shallow excavation reviewing and refining triggers and thresholds once the final investigations reports are completed may be warranted.

Table 4.6 sets out a reporting template for the 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 4.6 Inland Waters Environmental Quality Hydrological Processes Condition EMP reporting table

Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan Ministerial Statement No. 1036, condition 13		
Condition environmental outcome	Reporting on the threshold criteria	Status
Condition environmental outcome 1: Construction and operation of the proposal shall not result in an unacceptable decline in water quality of the GUWPCA.	The groundwater quality threshold criteria listed in Appendix B were met.	Compliant Exceedances noted above, however, not attributable to proposal



Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan Ministerial Statement No. 1036, condition 13		
Conditioned management actions	Reporting on other conditioned requirements	Status¹
<p>Condition environmental outcome 2:</p> <p>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>	The surface water quality threshold criteria listed in Appendix C were met.	Not required at this stage
<p>Condition 13-8:</p> <p>The proponent shall not construct any laydown areas, stock piles or store chemicals within the well head protection zones in the GUWPCA.</p>	No laydown areas or stockpiles were constructed and no chemicals were stored within the well head protection zones in the GUWPCA.	Compliant
<p>Condition 13-9:</p> <p>Any fuel or chemicals stored within the GUWPCA shall:</p> <ol style="list-style-type: none"> 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; and 4. not be located within well head protection zones. 	All fuel and chemicals stored within the GUWPCA were contained within double-lined fuel storage tanks, were not stored in a tank with greater than 5,000 L capacity, we placed in bunds capable of storing 125% of the capacity of the largest storage tank, and were not located within well head protection zones.	Compliant
<p>Condition 13-10:</p> <p>The proponent shall not construct infiltration basins, including bio-retention basins, within 100 m of drinking water production wells within the GUWPCA.</p>	No infiltration basins or bio-retention basins were constructed within 100 m of drinking water production wells within the GUWPCA.	Not required at this stage

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
	Trigger criterion 1	Compliant



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
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 [of the Ministerial Statement].	Groundwater quality trigger criteria listed in Appendix A. Surface water quality trigger criteria listed in Appendix B. Basin sediment quality trigger criteria listed in Table 8.	Exceedances noted above, however, not attributable to proposal
	Threshold criterion 1 Groundwater quality threshold criteria listed in Appendix A. Surface water quality threshold criteria listed in Appendix B. Basin sediment quality threshold criteria listed in Table 8.	Compliant Exceedances noted above, however, not attributable to proposal
	Trigger criterion 2 Groundwater level trigger criteria listed in Appendix A.	Compliant
	Threshold criterion 2 Groundwater level threshold criteria listed in Appendix A.	Compliant
	Trigger criterion 3 Observed plant stress rating 2 (Appendix C).	Unable to assess
	Threshold criterion 3 Observed plant stress rating 3 (Appendix C).	Unable to assess
	Construction of the proposal maintains predevelopment surface water flows to the Claypans of the Swan Coastal Plain and Communities of Tumulus Springs (Organic Mound Springs, Swan Coastal Plain) and Conservation Category Wetlands.	Trigger criterion 4 Construction or maintenance works within 40 m of the known population of <i>Darwinia foetida</i> .
Threshold criterion 4 Construction or maintenance works within 10 m of the known population of <i>Darwinia foetida</i> .		Compliant
Trigger criterion 5 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 6 m.		Compliant
Threshold criterion 5 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 10 m.		Compliant



5 SUPPORTING/VERIFYING INFORMATION

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

- Interviews.
- Reports.
- Correspondence.
- Photos.

Table 4.8 outlines those parties that were interviewed at various stages throughout this audit.

Table 4.8 Personnel interviewed for this CAR

Personnel	Position and Organisation
John Braid	Principal Environment Officer, Main Roads Western Australia
David Morley	Senior Environmental Consultant, Eco Logical Australia
Richelle Bunbury	Senior Environmental Scientist, Coffey

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 at this time.



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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	Still in construction phase.

RA

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	
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	Shapefiles of clearing and laydown/stockpile areas indicated that no clearing or disturbance had occurred within the mapped 50 m buffer of <i>Caladenia huegelii</i> . D023

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	Shapefiles of clearing and laydown/stockpile areas indicated that no clearing or disturbance had occurred within these areas. D023

Ala

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M10.1	Flora and Vegetation – Indirect Impacts and Threatened Flora and Communities – Condition Environmental Management Plan	<p>The proponent shall manage the implementation of the proposal to meet the following environmental objectives:</p> <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>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.</p>	<p>Flora and Vegetation – Indirect Impacts and Threatened Flora and Communities – Condition Environmental Management Plan. CAR. CEO approval.</p>	Overall	During the implementation of the proposal.	Not required at this stage	Proponent that advised implementation of this Plan is not required at this stage.

ALL

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 – Conditional 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.	Completed	DPaW comments sought 10/08/2016 and provided 13/09/2016. C011

Ad

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M11.1	Flora and Vegetation – Progressive Rehabilitation 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.	Not required at this stage	Rehabilitation activities have not yet commenced at Beechboro Road North, as it has not been decommissioned. It is understood that no other areas cleared though no longer required for construction will be subject to rehabilitation, though landscaping will occur.

Abc

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. C006
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.
MS1036: M11.4	Flora and Vegetation – Progressive Rehabilitation Condition Environmental Management Plan	The proponent shall prepare the Flora and Vegetation – Progressive Rehabilitation Conditional Environmental Management Plan required by condition 7-1 on advice of the Department of Parks and Wildlife.	Prepare a Flora and Vegetation Progressive Rehabilitation Conditional Environmental Management Plan to meet the environmental objectives in condition 11-2.	Flora and Vegetation – Progressive Rehabilitation Conditional 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.



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
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.
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	Landscaping for the project and rehabilitation at Beechboro Road North has not yet commenced.

AL

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M12.1	Fauna – Construction – 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	Of the 28 management actions in the Plan, 20 were Compliant and 8 were Not required at this stage (Table 4.3). Incident registers did not identify any incidents relating to conservation significant fauna.
MS1036: M12.2	Fauna – Construction – Environmental Management Plan	The proponent shall prepare the Fauna – Construction – Conditional Environmental Management Plan required by condition 7-1 on advice of the Department of Parks and Wildlife.	Prepare a Fauna – Construction – Conditional Environmental Management Plan that meets the environmental objectives of the condition 12-1 on advice of DPAAW.	Fauna – Construction – Condition Environmental Management Plan. DPaW 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. C007

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> <ol style="list-style-type: none"> (1) Best practice design, including shape, size, furniture and sky lights of fauna underpasses. (2) Trapping and relocation of ground dwelling fauna prior to clearing; (3) Presence of fauna spotters during clearing. (4) Dispersal and relocation of fauna identified by fauna spotters as required by condition 12-3(3) during clearing. (5) Any trenching activities. (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. 	Prepare a Fauna – Construction – Condition Environmental Management Plan that includes the information required by condition 12-3.	Fauna – Construction – Condition 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 has been met. C007
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Ally

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. CAR.</p>	Overall	During the implementation of the proposal.	<p>Compliant in regard to implementation and management to meet objective (1)</p> <p>Not required at this stage in regard to objective (2)</p>	<p>Audit conclusions based on implementation of monitoring, which has been undertaken monthly during construction.</p> <p>C028, C029, C030, C031, C032</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 – Conditional 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. C009
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 GUPPCA 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.	Compliant	Ground disturbing activities commenced on 31 March 2017. It is understood, based on interview, that 16 months of baseline data were collected (to March 2017). C021

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
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"> (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 in regard to 13-4, 13-4(2), 13-4(3) and 13-4(4) and 13-4(4) Compliant in regard to 13-4(1)	OEPA approval stated conditions 13-4, 13-4(2), 13-4(3) and 13-4(4) have been met. It is understood, based on interview, that the baseline water quality sampling has been undertaken and a draft report has been prepared to address 13-4(1), however this report was prepared outside of the audit period for this CAR. C012

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.	Compliant	It is understood, based on interview, that the baseline water quality sampling has been undertaken and a draft report has been prepared to address 13-4(1), however this report was prepared outside of the audit for this CAR.
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.	Not required at this stage	The proponent has yet to report to the CEO on the baseline surveys. It is understood that a draft baseline survey report has been prepared, however, this occurred outside of the audit period for this CAR. <i>PL</i>

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	DEPA approval this condition has been met. C009



<p>MS1036: M13.8</p>	<p>Inland Waters Environmental Quality – Hydrological Processes – Condition Environmental Management Plan</p>	<p>The proponent shall not construct any laydown areas, stock piles or store chemicals within the well head protection zones in the GUWPCA.</p>	<p>Do not locate laydown or stockpiles or store chemicals within in the well head protection zones.</p>	<p>CAR.</p>	<p>Overall</p>	<p>During the implementation of the proposal.</p>	<p>Compliant</p>	<p>Review of contractor shapefiles and well head protection zones in the GUWPCA identified two areas where stockpiles and site compounds were within the well head protection zones. One of these locations could be considered a GIS accuracy issue. The other location related to two stockpiles within the well head protection zones, however, there is a discrepancy in the data available to assess compliance. The contractor has provided information that the stockpiles are outside of the well head</p>
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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 GUPWPCA 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 bunded or located on a bunded area capable of storing 125% of the largest storage tank.	CAR.	Overall	During construction of the proposal.	Compliant	protection zones and on the basis of this information it is considered compliant, however, the discrepancy should be reviewed. D023, R033 Two weekly inspection reports provided for 11/06/2017 and 9/07/2017 indicate these requirements were being met. R025, R026

ALA



Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	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 G UWPCA.	Ensure there are no infiltration basins, including bio-retention basins to be constructed within 100 m of the water production wells in the G UWPCA.	CAR.	Overall	During design and construction of the project.	Not required at this stage	Construction not yet complete.

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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 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. 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 Environmental Quality – Hydrological Processes – Condition Environmental Management Plan. CAR. CEO approval.	Overall	During construction of the proposal.	Compliant	Audit conclusions based on implementation of monitoring, which has been undertaken monthly during construction. C028, C029, C030, C031, C032
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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.	Completed	OEPA approval this condition has been met. C010
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.	Compliant	Ground disturbing activities commenced on 31 March 2017. It is understood, based on interview, that 16 months of baseline data were collected (to March 2017). C021

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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> <p>(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.</p> <p>(2) Detail the proposed methodology for the baseline surveys.</p> <p>(3) Identify and spatially define the proposed survey locations and reference/control sites and provide rationale for the location of the sites.</p> <p>(4) Detail the proposed frequency and timing for the baseline surveys.</p>	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 in regard to 14-4, 14-4(2), 14-4(3) and 14-4(4)	OEPA approval stated conditions 14-4, 14-4(2), 14-4(3) and 14-4(4) have been met. It is understood, based on interview, that the baseline water quality sampling has been undertaken and a draft report has been prepared to address 13-4(1), however this report was prepared outside of the audit period for this CAR.

Alc



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.	Compliant	It is understood, based on interview, that the baseline water quality has been undertaken and a draft report has been prepared to address 13-4(1), however this report was prepared outside of the audit period for this CAR.

LA

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
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.	Not required at this stage	The proponent has yet to report to the CEO on the baseline surveys. It is understood that a draft baseline survey report has been prepared, however, this occurred outside of the audit period for this CAR.
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 Monitoring report.	Overall	A period of 3 years post construction, or as otherwise agreed in writing by the CEO.	Not required at this stage	

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
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	
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, Coastal Plain) and Conservation Category Wetlands</i> as shown in figures 5 and 6.	Do not locate laydown or stockpiles within in 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	Shapefiles of laydown/stockpile areas indicated no construction in these areas. D023

MS1036: M15.1	Amenity (Noise) – Conditional 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) – Conditional Environmental Management Plan, approved by the CEO.</p>	Prepare and implement an Amenity (Noise) - Environmental Management Plan to meet the environmental outcomes in condition 15-1.	Amenity (Noise) – Conditional Environmental Management Plan. CAR. CEO approval.	Overall	During design and construction of the proposal.	Compliant	<p>Of the five management actions in the Plan, two are Compliant, two are Not required at this stage and 1 is Unable to assess (Table 4.3).</p> <p>Noise liaison register was reviewed and indicates consultation has occurred with various land holders. It is noted that three properties identified in MS 1036 have not been included in the consultation as they were acquired by Main Roads, or are Department of Defence property with no tenant and will be demolished.</p>
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Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1036: M15.2	Amenity (Noise) – Conditional Environmental Management Plan	<p>The Amenity (Noise) – Conditional 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) – Conditional Environmental Management Plan to meet the requirements of condition 15-3.	Amenity (Noise) – Conditional Environmental Management Plan.	Pre-Construction	Prior to the commencement of ground disturbing activities, or as otherwise agreed in writing by the CEO.	Completed	OEPA approval condition has been met. C008


AM

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.	Compliant	OEPA approval has been provided for the Ippolo Road Site Land Acquisition and Management Plan, and <i>Caladenia huegelii</i> Habitat Management Plan. The Land Acquisition and Rehabilitation Offsets Strategy, and SCP 20a Offsets Strategy are In Process. C014, C016

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	Ground disturbing activities commenced on 31 March 2017. Plan was approved 8/02/2017. C014, C021

MS1036: M16.3	Residual Impacts and Risk Management Measures – Loppolo Road Site Acquisition and Management Plan	<p>The Loppolo 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</i> naso (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 Loppolo 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 Loppolo Road Site Land Acquisition and Management Plan.	Loppolo Road Site Land Acquisition and Management Plan.	Pre-construction	Prior to commencement of construction until the CEO advises implementation may cease.	Completed	OEPA approval stated condition has been met. C014
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na



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.						

PLA

MS1036: M16.4	Residual Impacts and Risk Management Measures – Ippolo Road Site Acquisition and Management Plan	<p>After receiving notice in writing from the CEO that the Ippolo 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 Ippolo Road Site Land Acquisition and Management Plan.</p> <p>(2) Continue to implement the approved Ippolo 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 Ippolo 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 Ippolo 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>Ground disturbing activities commenced on 31 March 2017.</p> <p>The approved Plan (January 2017) outlines that funding of land acquisition is complete.</p> <p>Actions undertaken by DBCA up to 20 September 2017 include pest animal control monitoring, track closures and blockages, dieback management (Green Bridge maintenance, repair and additional construction), signage is yet to be installed. It is noted that some activities identified for completion in</p>
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Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
								Year 1 of the Plan are yet to be implemented (e.g. signage installed, gates maintained, rubbish removal, feral bee survey and control), however, the audit period of the CAR does not address a full year of implementation of the Plan. CEO has not confirmed that Plan no longer needs to be implemented. C014, C018, C021

DL

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.	Compliant	Ground disturbing activities commenced on 31 March 2017. The approved Plan (January 2017) outlines that funding of land acquisition is complete. 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 – 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.	Not required at this stage	

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
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.

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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"> (1) 5.5 hectares of Yanga Complex. (2) 129.9 hectares of Bush Forever sites. (3) 5.2 hectares of <i>Calyptorhynchus latirostris</i> (Carnaby's black cockatoo) foraging habitat. (4) 21.4 hectares of <i>Calyptorhynchus banksii naso</i> (forest red-tailed black cockatoo) foraging habitat. (5) 16 hectares of Conservation Category Wetlands. 	Prepare a Land Acquisition and Restoration Offsets Strategy.	Land Acquisition and Restoration Offsets Strategy.	Overall	Within twelve months of the publication of Ministerial Statement No. 1036.	In Process	Transmittal letter shows Strategy was submitted to DWER – EPA Services on 20 September 2017. DWER – EPA Services provided comment on the draft Strategy on 19/10/2017, requesting revisions to the document. Revision of the document is understood to be in process. C015, C020
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"> (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. 	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 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> <ul style="list-style-type: none"> (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. (b) 181 ha with vegetation communities and/or complexes and conditions commensurate with the Bush Forever sites being impacted. (c) No less than 5.5 ha of Yanga Complex. 						
		<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> <ul style="list-style-type: none"> (a) 5.2 ha of <i>Calyptorhynchus latirostris</i> (Carnaby's black cockatoo) potential foraging habitat. 						AA



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>						

AA



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>						

RA

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	

RA

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.	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. C016, C021
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.	Completed	OEPA approval stated condition has been met. C016 

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
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.
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.	<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. 

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
MS1035: M16.16	Residual Impacts and Risk Management Measures – <i>Caladenia huegelii</i> Habitat management Plan	<p>The activities to be undertaken as identified in condition 16-14(1) shall address the requirement for:</p> <ol style="list-style-type: none"> (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.

RLA

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.	Implement the CEO approved <i>Caladenia 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	Ground disturbing activities commenced on 31 March 2017. The only management action required to be completed by October 2017 (as outlined in the Plan) was baseline <i>Caladenia huegelii</i> surveys, all other actions had completion timing beyond the time relevant to this audit period. DBCA annual report indicates that the surveys commenced in 2017 in Critical Habitat Areas, however were not completed (this is expected to occur in October/Novemb er 2017, and
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ML

Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
								therefore would be reported in the next compliance report). It is understood that baseline <i>Caladenia huegelii</i> surveys in MRWA managed lands were also being undertaken by DBCA. A range of other management actions had also commenced. CEO has not advised that implementation may cease. R002, C021

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Audit code	Subject	Requirement	How	Evidence	Phase	Timeframe	Status	Further information
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.	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.	Not required at this stage	No direction to review or revise the Plan has been received from the CEO.
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: (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.	Not required at this stage	Strategy has not yet been approved, and therefore not implemented at this stage.

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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>Transmittal letter shows that Strategy submitted to DWER – EPA Services on 20 September 2017.</p> <p>DWER – EPA Services provided comment on the draft Strategy on 19/10/2017, requesting revisions to the document.</p> <p>Revision of the document is understood to be in process.</p> <p>C017, C020</p> <p style="text-align: right;"><i>DL</i></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> <ul style="list-style-type: none"> (a) The quantum of, and provide funds for, the upfront works associated with establishing the conservation area. (b) The quantum of, and provide a contribution of funds for, the management of this area for no less than seven (7) years. (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. (d) An appropriate management body for the ceded land. 					
		<p>(5) State the management and/or rehabilitation actions to be undertaken including:</p> <ul style="list-style-type: none"> (a) The objectives and targets to be achieved, including completion criteria. (b) Management and/or rehabilitation actions and a timeframe for the actions to be undertaken. 					



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 until the CEO confirms implementation of the SCP 20a Offsets Strategy is no longer required.	Not required at this stage	
		<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>						

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	The Strategy is yet to be approved.

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APPENDIX C

Supporting/ verifying information





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Table C1 Supporting/verifying information

Type of information	Unique code	Document title/Information description
Correspondence	C001	CAP OEPA comments
Correspondence	C002	CAP OEPA approved
Correspondence	C003	Infrastructure Plan OEPA approval
Correspondence	C004	Flora and Vegetation - Construction Condition EMP OEPA approval
Correspondence	C005	Flora and Veg - Indirect Imp and Threatened Flora and Comm - Condition EMP OEPA approval
Correspondence	C006	Flora and Vegetation - Progressive Rehabilitation Condition EMP OEPA approval
Correspondence	C007	Fauna - Construction Condition EMP OEPA approval
Correspondence	C008	Amenity (Noise) Condition EMP OEPA approval
Correspondence	C009	Inland Waters Env Quality - Hydro Processes Condition EMP OEPA approval
Correspondence	C010	Flora and Veg - Inland Waters Env Quality - Hydro Processes Condition EMP OEPA approval
Correspondence	C011	DPAW consult re Conditions 9 10 16-12,
Correspondence	C012	Inland Waters Env Quality - Hydrological Processes BSP OEPA approval
Correspondence	C013	Flora and Veg - Inland Waters Env Quality - Hydro Processes BSP OEPA approval
Correspondence	C014	Ippolo Road Site Land Acquisition and Management Plan OEPA approval
Correspondence	C015	DWER EPA Services response to draft LAROS
Correspondence	C016	Caladenia huegelii Habitat Management Plan OEPA approval
Correspondence	C017	DWER EPA Services response to draft SCP 20a Offset Strategy
Correspondence	C018	DBCA IppoloRdAnnualReport
Correspondence	C020	LAROS and SCP20a Offset Strategy submission letter
Correspondence	C021	EPBC2013_7042 Commencement of Action
Correspondence	C022	OEPA approval of Public Availability of Plans and Reports
Correspondence	C028	Letter reporting to CEO 160817 re July Northern section water quality monitoring
Correspondence	C029	Letter reporting to CEO 090817 re May Southern section water quality monitoring
Correspondence	C030	Letter Reporting to CEO 240817 re July Southern section water quality monitoring
Correspondence	C031	Central Section June 2017 water quality exceedance DWER response
Correspondence	C032	Central Section July 2017 water quality exceedance DWER response



Type of information	Unique code	Document title/Information description
Data	D023	Contractor shapefiles
Report	R019	DBCA Caladenia huegelii Annual Report
Report	R024	Audit Maralla and Holden Roads
Report	R025	20170709 Weekly Environmental Inspection
Report	R026	20170611 Weekly Environmental Inspection
Report	R027	Weekly Inspections - Aug to Sept 2017
Report	R033	Well head protection zones Fig 1



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BG&E NorthLinkWA
GPO Box 2776
Cloisters Square
Perth WA 6850



NorthLinkWA