



mainroads
WESTERN AUSTRALIA

EPBC 2016/7761 Annual Compliance Report

Great Northern Highway Upgrade Stage 2:
Muchea to Wubin

29 May 2020 – 29 May 2021

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1	13/08/2021	Draft for internal review	N/A
2	18/08/2021	Final for publication	N/A

1 INTRODUCTION

Great Northern Highway forms part of the National Highway Network and provides a strategic freight link between Perth and the State's north as well as Darwin and the Northern Territory. Between 2000 and 2009, Stage One of the Great Northern Highway Muchea to Wubin Upgrade project was completed, which saw 76 km of the highway upgraded.

In 2014 a comprehensive planning review was undertaken of the full Muchea to Wubin link along the highway. A series of construction packages were prioritised following the review, which include town bypasses, wider roads, more passing lanes, flattening crests and easing curves, safer roadsides, more rest stops and additional facilities for heavy vehicles.

Jointly funded by the Australian and Western Australian Governments, the \$384.8 million project will improve road safety, increase freight efficiency and reduce traffic delays, improve travel times and access, improve roadside amenities, and enhance the environmental value of roadsides.

The key objectives for the project include:

- Improved safety
- Increased freight efficiency and reduced traffic delays
- Improved network reliability - improving travel times and enhancing network access
- Enhanced travel wellbeing - improvements in roadside amenities for rest and driver information
- Contribution to sustainable and viable communities - by balancing community concerns, economic, community safety and network access issues
- Enhancement of the environment - by undertaking practices to retain and improve the environmental value of roadsides.

1.1 Approval under the Environment Protection and Biodiversity Conservation Act 1999

Proposed construction of the Walebing, Miling Bypass, Pithara and Dalwallinu to Wubin packages were referred to the Department of the Environment and Energy (DoEE; 'the Department') for assessment under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act). The referral was determined to be a controlled action with the controlling provision being "listed threatened species and communities", namely Carnaby's Black Cockatoo (*Calyptorhynchus latirostris*) and the Eucalypt Woodlands of the Western Australian Wheatbelt Threatened Ecological Community (Eucalypt Woodlands TEC). The referred works were assessed through Preliminary Documentation. The Department issued conditional approval for these works to proceed on 19 February 2018 (EPBC 2016/7761).

1.1.1 Purpose of this Report

The Action commenced on 29 May 2018. This compliance report has been produced as required by Condition 10 of EPBC approval 2016/7761. Table 1 of this report outlines the compliance with each approval condition over the 12-month period between 29 May 2020 and 29 May 2021.

The Action has not yet been completed, and reporting will continue annually under Condition 10 of EPBC 2016/7761.

2 COMPLIANCE

Condition No.	Condition	Status
1	The approval holder must not clear more than 30 hectares of Carnaby's Black Cockatoo habitat and 15 hectares of Eucalypt Woodlands TEC within the project area shown as Attachment 1.	Compliant. No clearing of Carnaby's Black Cockatoo habitat or Eucalypt Woodlands TEC was undertaken within the project area during the 2020 – 2021 reporting period.
2	The approval holder must not clear any suitable nesting hollow or known nesting hollow for the Carnaby's Black Cockatoo.	Compliant. No suitable nesting hollows or known nesting hollows for Carnaby's Black Cockatoo have been cleared within the project area during the 2020 – 2021 reporting period.
3	<p>Within 7 days prior to clearing of any area of Carnaby's Black Cockatoo habitat, the approval holder must investigate all potential nesting trees within the area to be cleared to determine if there are any hollows additional to those identified in Condition 2 that are being utilised, or are capable of being utilised, by the Carnaby's Black Cockatoos for nesting. The investigation must be undertaken by a suitably qualified person.</p> <ul style="list-style-type: none"> a. If any Carnaby's Black Cockatoo(s) is detected utilising any hollow in any tree, the approval holder must: <ul style="list-style-type: none"> i. clearly identify and mark the newly identified nesting tree; and ii. only clear the newly identified nesting tree, or vegetation within a 10 metre radius of the tree, if a suitably qualified person has verified that the hollows in the tree are no longer being used by Carnaby's Black Cockatoos. b. For each cleared hollow that is being utilised, or capable of being utilised by Carnaby's Black Cockatoo, that is additional to the nesting hollows identified in Condition 2, the proponent must install at least three (3) artificial nesting hollows, where the artificial nesting hollows must be: 	<p>Compliant.</p> <p>No clearing was undertaken in the reporting period.</p> <p>All potential nesting trees within the approved area to be cleared in previous reporting periods were investigated no more than 7 days prior to each clearing event.</p>

Condition No.	Condition	Status
	<ul style="list-style-type: none"> i. installed within a 12 km radius of the cleared nesting tree(s); ii. constructed, positioned, erected and maintained in accordance with relevant artificial hollow guidance, to maximise the likelihood that the artificial nesting hollows are utilised by the Carnaby's Black Cockatoo; iii. installed before the commencement of the following breeding season for the Carnaby's Black Cockatoo; and iv. inspected and maintained at least annually to check for condition and evidence of Carnaby's Black Cockatoo usage. 	
4	<p>To mitigate impacts to the Carnaby's Black Cockatoo and the Eucalypt Woodlands TEC, the approval holder must prepare and submit a Construction Environmental Management Plan (CEMP) for the approval of the Minister. The approval holder must not commence the action unless the Minister has approved the CEMP.</p> <p>The CEMP must be prepared in accordance with the Department's Environmental Management Plan Guidelines and include, but not be limited to:</p> <ul style="list-style-type: none"> a. design principles and practices to minimise clearing of Carnaby's Black Cockatoo habitat and the Eucalypt Woodlands TEC – for example, road micro-alignment, traffic management alternatives to side roads; b. measures to prevent impacts to Carnaby's Black Cockatoo habitat and the Eucalypt Woodlands TEC during construction, including to: <ul style="list-style-type: none"> i. prevent and/or control site access, weeds, <i>Phytophthora</i> dieback, erosion, dust and fire; ii. minimise the impacts of excavation activities to the lateral root system of the Eucalypt Woodlands TEC; and iii. delineate vegetation to be retained through, for example, the erection of temporary fencing or signage to avoid accidental clearing or disturbance outside of the impact area. c. management measures, including in relation to fencing and access controls, to permanently restrict human and stock access to adjacent road reserves; 	<p>Compliant.</p> <p>The Minister approved the CEMP on 11 May 2018. Main Roads has implemented the approved CEMP. No changes have been made to the CEMP since the initial approved by the Minister.</p>

Condition No.	Condition	Status
	<ul style="list-style-type: none"> d. objectives, targets and completion criteria for post construction rehabilitation measures such as site clean-up and weed management, including information on the mapping, monitoring and removal of noxious weeds; e. objectives, targets and completion criteria for landscaping and revegetation works on cleared areas of land and redundant sections of carriageway, with flora species to be planted that are identified as known foraging and breeding habitat for the Carnaby's Black Cockatoo (this should include detail on site preparation works, seedling planting programs, success rates, ongoing management post establishment and details of replanting requirements if success rates are not achieved): <ul style="list-style-type: none"> i. flora species identified as known foraging and breeding habitat for the Carnaby's Black Cockatoo must not be planted within 10 metres of the road carriageway to reduce the risk of vehicle strike. f. clear objectives and performance indicators for all management actions, mitigation measures and practices prescribed by the CEMP including details of the monitoring to be undertaken to demonstrate the effectiveness of the measures; g. corrective actions for circumstances where an action, mitigation measure or practice prescribed by the CEMP fails to meet, or is unlikely to meet, its prescribed objective, and trigger action points at which these corrective actions will be implemented; and h. timeframes for implementing the above measures. <p>If the Minister approved the CEMP, then the approved CEMP must be implemented.</p>	
5	<p>To mitigate impacts to habitat for the <i>Eremophila pinnatifida</i> the approval holder must implement condition 8 of Clearing Permit CPS 7231/1.</p>	<p>Not applicable.</p> <p>Works triggering the implementation of Condition 8 of Clearing Permit CPS 7231/3 (clearing of Population 3 of <i>Eremophila pinnatifida</i>) have not occurred to date during construction of the Action.</p>

Condition No.	Condition	Status
6	<p>To compensate for the loss of up to 30 hectares of Carnaby's Black Cockatoo habitat, the approval holder must, within one (1) year after the commencement of the action, provide the Department with the offset attributes, shapefiles and textual descriptions and maps to clearly define the location and boundaries of the offset area identified in Attachment 3, that the approval holder has transferred to the DBCA.</p>	<p>Compliant.</p> <p>Main Roads allocated 159 ha of the previously acquired Lot 1, 1395 Banovich Road, Hill River to meet the requirements of this offset. The property has been added to the conservation estate and is being managed by the DBCA. The details of this site as required under this condition, including offset attributes, shapefiles and a textual description, were provided to the Department by email (Post Approvals) on 8 November 2018.</p>
7	<p>To compensate for the loss of up to 15 hectares of Eucalypt Woodlands TEC, the approval holder must, within one (1) year of the commencement of the action, or as otherwise agreed to by the Minister:</p> <ol style="list-style-type: none"> a. submit to the Minister for approval the details of an offset site(s) that: <ol style="list-style-type: none"> i. is to be acquired and managed for conservation; ii. includes a minimum of 134.1 hectares of Eucalypt Woodlands TEC at Lot 500, Yenyening, Western Australia ; and iii. meets the requirements of the EPBC Environmental Offsets Policy. b. make a financial contribution to an approved conservation fund to fully fund the purchase and management for conservation of the approved offset site; c. provide written evidence to the Department that the financial contribution: <ol style="list-style-type: none"> i. has been made to the approved conservation fund; and ii. has fully funded the purchase and management of the offset site. d. provide the Department with the offset attributes, shapefiles and textual descriptions and maps to clearly define the location and boundaries of the offset site. 	<p>Compliant.</p> <p>Main Roads has acquired Lot 500, Yenyening Lakes Road, Brookton, on which 134.1 ha of Eucalypt Woodlands TEC occur. Offset attributes, shapefiles and a textual description of the offset area were provided to the Department by email (Vaughn Cox and Post Approvals) on 24 May 2019 (Attachment 1).</p> <p>Main Roads requested a variation to EPBC 2016/7761 Condition 7 in accordance with EPBC Act Section 143(1B) (email from Main Roads to Post Approvals 7 October 2019). The Department varied the Condition as confirmed in a letter to Main Roads on 18 July 2020 which included a Variation of Conditions Attached to Approval (Attachment 2).</p>

Condition No.	Condition	Status
8	Within 30 days after the commencement of the action, the approval holder must advise the Department in writing of the actual date of commencement.	Compliant. The action commenced on 29 May 2018, with written notification provided to the Department by email on 31 May 2018.
9	The approval holder must maintain accurate records substantiating all activities associated with or relevant to the conditions of approval, including measures taken to implement the plan required by this approval (Condition 4), and make them available upon request to the Department. Such records may be subject to audit by the Department of an independent auditor in accordance with section 458 of the EPBC Act or used to verify compliance with the conditions of this approval. Summaries of audits will be posted on the Department's website. The results of audits may also be publicised through the general media.	Compliant. Main Roads has maintained records in accordance with this condition and their legal obligations under the <i>WA State Records Act 2000</i> .
10	Within three months of every 12-month anniversary of the commencement of the action, the approval holder must publish a report on their website addressing compliance with each of the conditions of this approval, including implementation of any management plans as specified in the conditions. Documentary evidence providing proof of the date of publication and non-compliance with any of the conditions of this approval must be provided to the Department at the same time as the compliance report is published. Reports must remain on the website for the life of this approval. The approval holder must continue to comply with this condition until such time as agreed to in writing by the Minister.	Compliant. This 2020/2021 Compliance Assessment Report will be published on the Main Roads website at the same time as the provision of this report to the Department.
11	Upon the direction of the Minister, the approval holder must ensure that an independent audit of compliance with the conditions of approval is conducted and a report submitted to the Minister. The independent auditor must be approved by the Minister prior to the commencement of the audit. Audit criteria must be agreed to by the Minister and the audit report must address the criteria to the satisfaction of the Minister.	Not applicable. The Minister has not yet directed Main Roads to conduct an independent audit of compliance with EPBC 2016/7761's conditions of approval.
12	The approval holder may choose to revise a management plan approved by the Minister under condition 4 without submitting it for approval under section 143A of the EPBC Act, if the taking of the action in accordance with the revised plan	Not applicable.

Condition No.	Condition	Status
	<p>would not be likely to have a new or increased impact. If the approval holder makes this choice they must notify the Department in writing that the approved plan has been revised and provide the Department, at least four weeks before implementing the revised plan, with:</p> <ul style="list-style-type: none"> a. an electronic copy of the revised plan; b. an explanation of the differences between the revised plan and the approved plan; and c. the reasons the approval holder considers that taking the action in accordance with the revised plan would not be likely to have a new or increased impact. 	<p>The approved CEMP has not been revised to date.</p>
13	<p>The approval holder may revoke their choice under condition 12 at any time by notice to the Department. If the approval holder revokes the choice to implement a revised plan, without approval under section 143A of the Act, the plan approved by the Minister must be implemented.</p>	<p>Not applicable. The approved CEMP has not been revised as allowed for under condition 12. Condition 13 has therefore not come into effect.</p>
14	<p>If the Minister gives a notice to the approval holder that the Minister is satisfied that the taking of the action in accordance with the revised plan would be likely to have a new or increased impact, then:</p> <ul style="list-style-type: none"> a. Condition 12 does not apply, or ceases to apply, in relation to the revised plan; and b. The approval holder must implement the plan approved by the Minister. <p>To avoid any doubt, this condition does not affect any operation of conditions 12 and 13 in the period before the day the notice is given.</p>	<p>Not applicable. The approved CEMP has not been revised to date.</p>
15	<p>Conditions 12, 13 and 14 are not intended to limit the operation of section 143A of the EPBC Act which allows the approval holder to submit a revised plan to the Minister for approval.</p>	<p>Not applicable. The approved CEMP has not been revised to date.</p>

Condition No.	Condition	Status
16	<p>Unless otherwise agreed to in writing by the Minister, the approval holder must publish all management plans referred to in these conditions of approval on their website for the duration of this approval. Each management plan must be published on the website within 1 month of being approved by the Minister or being submitted under condition 12 and must remain on the website for the life of this approval.</p>	<p>Compliant.</p> <p>The approved CEMP was first published on Main Roads' website on 25 May 2018. The plan is available here.</p> <p>(https://www.mainroads.wa.gov.au/globalassets/community-environment/environment/construction-reports/great-northern-highway-upgrade-walebing-to-wubin-construction-environmental-management-plan.pdf)</p>

3 ATTACHMENTS

Attachment	Title
Attachment 1	Correspondence with DAWE on TEC Offset Site
Attachment 2	Variation of Conditions Attached to Approval

Attachment 1: Correspondence with DAWE on TEC Offset Site



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Enquiries: John Braid (9323 6183)
Our Ref: EPBC 2016/7761
Your Ref: EPBC 2016/7761

24 May 2019

Gregory Manning
Assistant Secretary
Assessments (WA, SA, NT) and Post Approvals Branch
Department of the Environment and Energy
GPO Box 787
Canberra ACT 2601

Attention: Vaughn Cox

**Great Northern Highway Muchea to Wubin Upgrade Stage 2 – Walebing to Wubin, WA
EPBC Referral 2016/7761 Condition 7**

Main Roads Western Australia (Main Roads) commenced the Great Northern Highway Upgrade Stage 2 Walebing to Wubin (EPBC 2016/7761) action on 29 May 2018. EPBC 2016/7761 Condition 7(a) requires a minimum 155 ha Eucalypt Woodlands of the Western Australian Wheatbelt (Eucalypt Woodlands) threatened ecological community (TEC) to be acquired as a land offset within one (1) year of the commencement of the action.

Main Roads has been unable to acquire the full 155 ha of Eucalypt Woodland TEC within one year of commencement of the action and is requesting a twelve (12) month extension to the EPBC 2016/7761 Condition 7 timeframe. Main Roads is currently funding the acquisition of Lot 500, Yenyening, Western Australia through the Department of Biodiversity, Conservation and Attractions (DBCA). The property contains 134.1 ha Eucalypt Woodlands TEC which is proposed as a partial offset for the action. The 12 month extension to EPBC 2016/7761 Condition 7 will allow Main Roads to locate the remaining land required to compensate for the shortfall of at least 20.9 ha Eucalypt Woodlands TEC.

Background

On 28 July 2016, a referral under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) was submitted to the Department of Environment and Energy (the Department) for Great Northern Highway Muchea to Wubin Upgrade Stage 2 Walebing to Wubin (EPBC 2016/7761).

On 19 October 2016, the Department notified Main Roads that the referral was determined to be a controlled action, with the controlling provision being “listed threatened species and communities”, namely Carnaby’s Black Cockatoo and the Eucalypt Woodlands TEC. On 21 December 2016 the Minister of the Environment’s delegate decided that the proposed action would be assessed by preliminary documentation. On the 19 February 2018 EPBC 2016/7761 conditional approval was granted.



EPBC 2016/7761 Condition 7 requires the following:

“To compensate for the loss of up to 15 hectares of Eucalypt Woodlands TEC, the approval holder must, within one (1) year of the commencement of the action, or as otherwise agreed to by the Minister:

- a. submit to the Minister for approval the details of an offset site(s) that:
 - i. is to be acquired and managed for conservation;*
 - ii. includes a minimum of 155 hectares of Eucalypt Woodlands TEC; and*
 - iii. meets the requirements of the EPBC Environmental Offsets Policy.**
- b. make a financial contribution to an approved conservation fund to fully fund the purchase and management for conservation of the approved offset site(s);*
- c. provide written evidence to the Department that the financial contribution:
 - (i) has been made to the approved conservation fund; and*
 - (ii) has fully funded the purchase and management of the offset site(s).**
- d. provide the Department with the offset attributes, shapefiles and textual descriptions and maps to clearly define the location and boundaries of the offset site(s).”*

Condition 7a – acquisition of Eucalypt Woodlands TEC

Condition 7(a)(i) & (ii) requires a minimum 155 ha of Eucalypt Woodlands TEC to be acquired and managed for conservation. Main Roads is funding the acquisition of Lot 500, Yenyening, Western Australia through DBCA. The property contains 134.1 ha Eucalypt Woodlands TEC as a partial offset for the action (Figure 1).

A phone conference was held between the Department’s representative (Vaughn Cox) and Main Roads’ representatives (John Braid and Marni Baetge) on 23 March 2018 to discuss the suitability of Lot 500 Yenyening as an offset for Eucalypt Woodlands TEC. Since that meeting, and follow up emails between Main Roads and the Department, Main Roads commissioned a detailed survey (Phoenix 2019; Attachment A) which confirmed Lot 500 Yenyening contains 134.1 ha land that meets the Eucalypt Woodland TEC diagnostic criteria (Figure 2).

Main Roads is currently negotiating a Memorandum of Understanding (MoU) with DBCA for management of Lot 500 Yenyening offset site. The MoU will be finalised after the land acquisition is finalised. The MoU will comprise the following:

- The funding required for the establishment, management and conservation of the offset site
- Land management activities to be undertaken by DBCA
- Payment schedule
- Reporting requirements under the MoU.

Main Roads has made every endeavour to expedite the acquisition of Lot 500 Yenyening. However, since there was a requirement to sub-divide the land to allow the landowner to retain the cleared agricultural land within the original land parcel, there has been some delay in the acquisition process. Main Roads is confident that acquisition of Lot 500 Yenyening will be finalised in the coming weeks.

Main Roads is continuing to liaise with DBCA to identify additional land that contains Eucalypt Woodlands TEC that can be acquired by Main Roads to meet the offset shortfall. Satisfying the offset shortfall and meeting 2016/7761 Condition 7 compliance requirements is a key priority of Main Roads. The MoU with DBCA will be revised, or alternatively a new MoU will be prepared, to accommodate any additional requirements associated with the management of the 20.9 ha of Eucalypt Woodland TEC that is still to be acquired.



The application of the EPBC Environmental Offset Policy to the 134.1 ha of Eucalypt Woodland TEC located at Lot 500 Yenyening, which is required under Condition 7a(iii) of EPBC 2016/7761, is detailed in Attachment B.

Condition 7b and 7c – financial contribution to approved offset fund

On 12 February 2018 Main Roads made a financial contribution of \$175,260 to the Western Australian Environmental Offset Fund in accordance with the requirements of Condition 7b of EPBC 2016/7661. Attachment C provides evidence of payment.

Main Roads will request reimbursement of the \$175,260 from the Western Australian Environmental Offset Fund once all requirements of EPBC 2016/7761 Condition 7 have been met.

Condition 7d – offset attributes, shapefiles and textual descriptions and maps

Please find enclosed the following additional information to partially address EPBC 2016/7761 Condition 7d:

- Figure 1 Lot 500 Yenyening Lakes Road Offset Property
- Attachment D Offset Attributes Table
- Attachment E Offset Textual Descriptions
- Shapefiles of Lot 500, Yenyening, Western Australia

Conclusion

Main Roads has liaised closely with DBCA to ensure the proposed offset of 134.1 ha of Eucalypt Woodland TEC at Lot 500 Yenyening to the conservation estate has strategic environmental and conservation values. Main Roads is keen to ensure the balance of the offset required as a condition of approval of EPBC 2016/7661 Condition 7 will also result in strategic environmental values and is liaising closely with DBCA and others to ensure this objective is met.

Main Roads requests a 12 month extension to the original EPBC 2016/7761 Condition 7 timeframe of 12 months from the commencement of the action (29 May 2018) to allow the subdivision process of Lot 500 Yenyening to be completed and the acquisition of the remaining offset requirement to provide similar strategic benefits.

Satisfying the offset shortfall and meeting 2016/7761 Condition 7 compliance requirements is a primary focus of Main Roads and every effort will be made to acquire the land as soon as possible.



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Please contact John Braid on (08) 9323 6183 or john.braid@mainroads.wa.gov.au or Martine Scheltema (08) 9323 4614; martine.scheltema@wa.gov.au should you wish to discuss this in more detail.

Yours sincerely

Norm Fox
Director – Infrastructure Delivery Directorate

Enc:

- *Figure 1 Lot 500 Yenyening Lakes Road Offset Property*
- *Figure 2 Vegetation and Eucalypt Woodland TEC Mapping – Lot 500 Yenyening Lakes Road*
- *Attachment A Brookton Offset Property Biological Survey Report Phoenix 2019*
- *Attachment B EPBC Act Environmental Offset Policy*
- *Attachment C DWER Receipt of Payment CPS 7231-1 Offset \$175,260.00.*
- *Attachment D Offset Attribute Table*
- *Attachment E Offset Textual Descriptions*
- *Shapefiles of Lot 500, Yenyening, Western Australia*

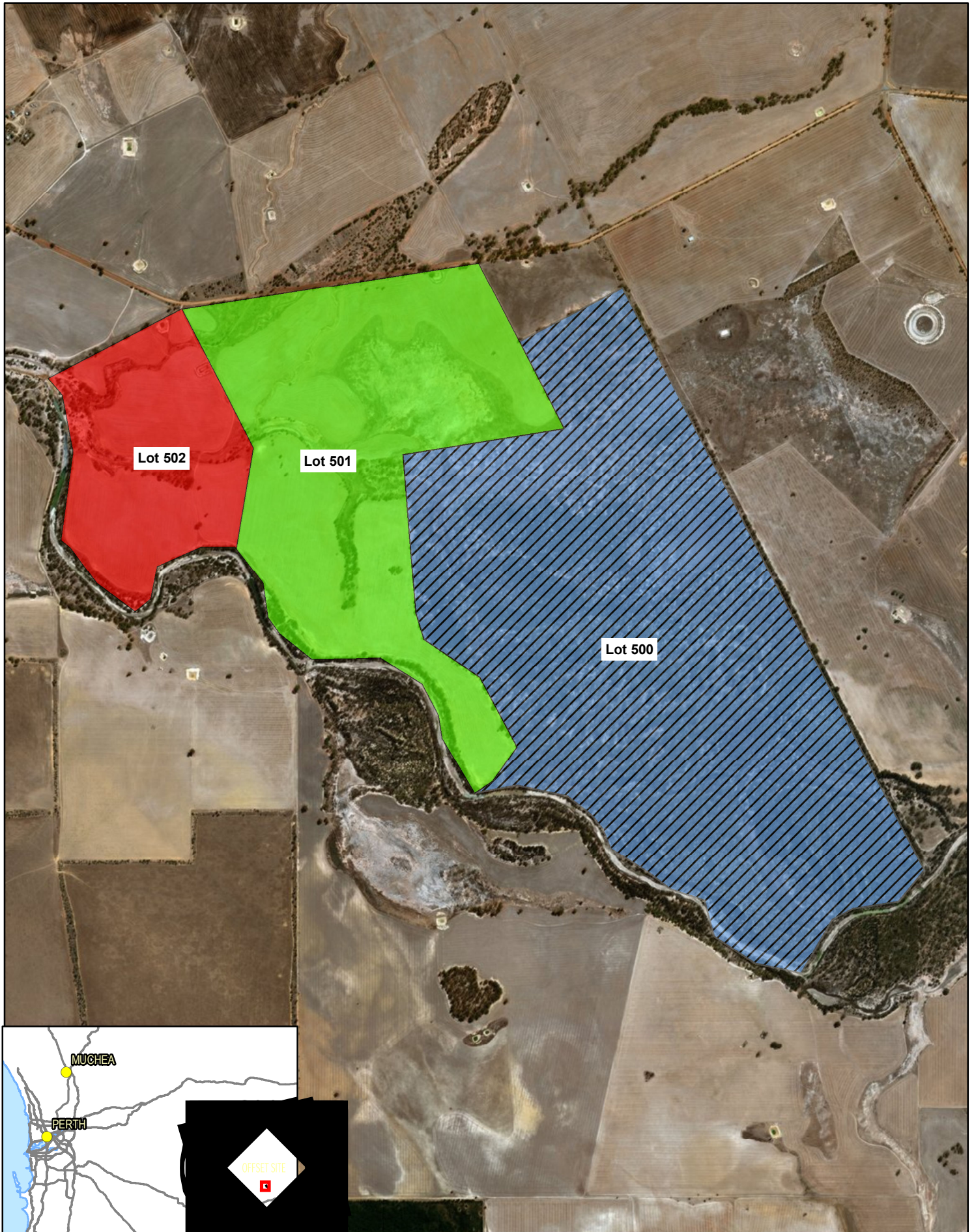
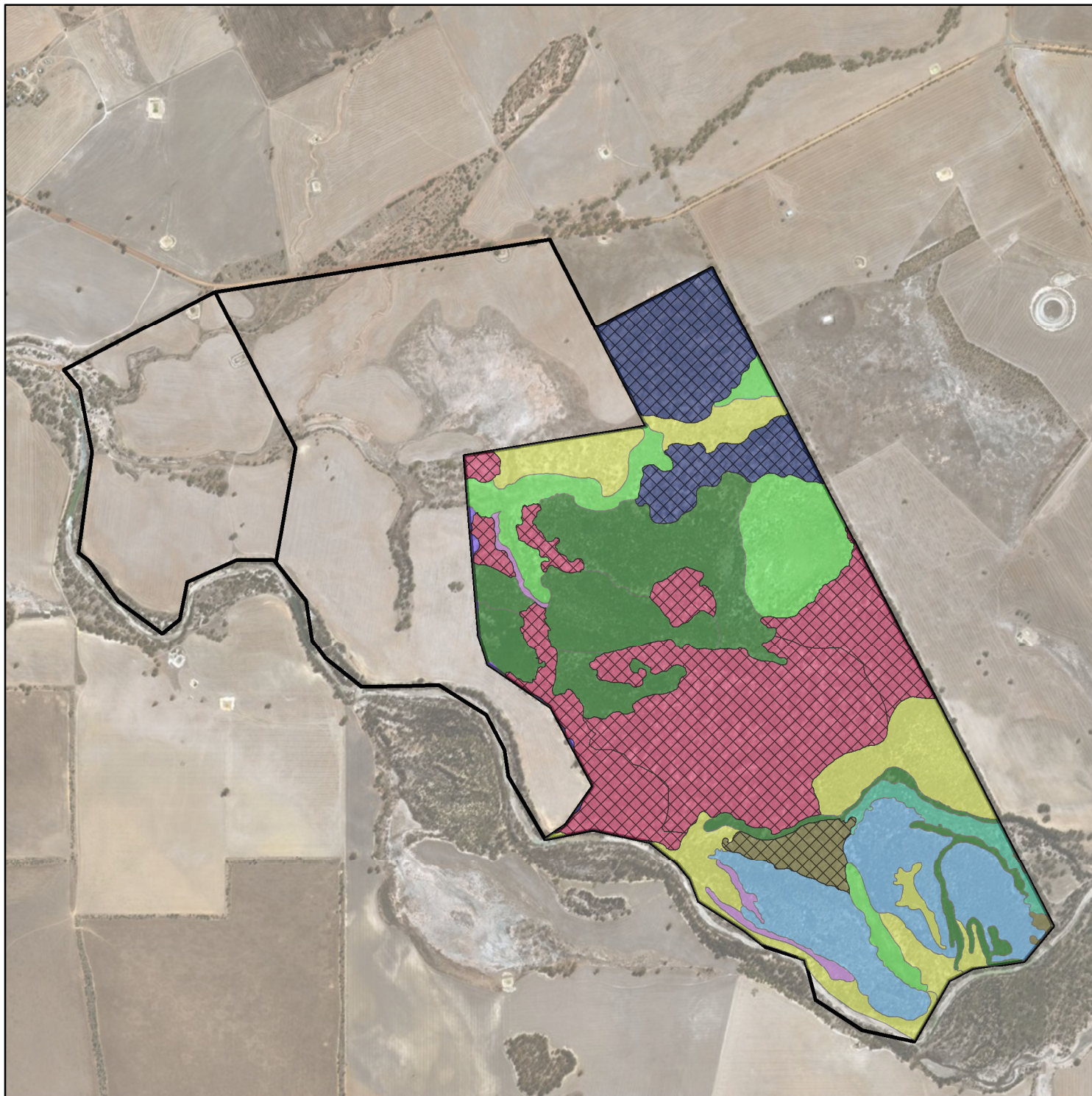


Figure 1. Lot 500 Yenyening Lakes Road Offset Property














-  TEC
-  Cleared
-  Low woodland; *Banksia prionotes* and *Allocasuarina huegeliana*
-  Low woodland; paper bark (*Melaleuca* sp.)
-  Medium woodland; *Casuarina obesa*
-  Medium woodland; Wandoo
-  Medium woodland; York gum
-  Medium woodland; York gum, Wandoo and Salmon gum
-  Mosaic: Shrublands; melaleuca patchy scrub / Succulent steppe; samphire
-  Succulent steppe with open woodland and thicket; eucalypts and *Allocasuarina obesa* over tea-tree & samphire
-  Succulent steppe; samphire




Figure 2. Vegetation and Eucalypt Woodland TEC Mapping of Lot 500 Yenyening Lakes Road

Attachment D

EPBC2016-7761_CBC-Offset-Site

Offset Attributes

EPBC Act Reference Number	Offset Property Address	Offset Property Size (ha)	Coordinates of boundary property (Decimal Degrees)	EPBC Act Protected Matters compensated for	Legal Mechanism for Conservation	Additional EPBC Act Protected Matters that may benefit	
EPBC 2016/7761	Lot 500, Yenening Lakes Road, Brookton, WA	322.8	117.121253	-32.246013	Eucalypt Woodlands of the Western Australian Wheatbelt Threatened Ecological Community	Crown Land managed by DBCA as Conservation Estate	<i>Calyptorhynchus latirostris</i> (Carnaby's Black Cockatoo) <i>Leipoa ocellata</i> (Malleefowl) <i>Dasyurus geoffroyi</i> (Chuditch) <i>Phascogale calura</i> (Red-Tailed Phascogale)
			117.119336	-32.246326			
			117.120153	-32.245847			
			117.121255	-32.244527			
			117.119567	-32.241851			
			117.117036	-32.240388			
			117.116663	-32.239403			
			117.116365	-32.236332			
			117.116068	-32.233261			
			117.119719	-32.232755			
			117.123371	-32.232249			
			117.121335	-32.228903			
			117.126003	-32.226843			
			117.128289	-32.230583			
			117.130574	-32.234323			
			117.13286	-32.238063			
			117.135146	-32.241803			
			117.137432	-32.245543			
			117.139719	-32.249282			
			117.138552	-32.250476			
			117.136482	-32.25075			
			117.135539	-32.251176			
			117.134152	-32.253242			
117.132065	-32.252865						
117.130184	-32.25183						
117.129749	-32.250435						
117.128198	-32.250017						
117.127308	-32.249431						
117.1255	-32.248445						
117.125148	-32.247693						
117.124646	-32.247159						
117.123542	-32.24643						

	Great Northern Highway - Muchea to Wubin Upgrade - Stage 2			
	Memorandum (MEM)			
	Doc No.	GNH-CN00-EN01-MEM-0008	Rev	1

Contract No. & Work Identifier:	CN00-EN01	Client Contract No.:	10/13	Date:	24/05/2019
Contract Title:	EPBC 2016/7761 - Walebing to Wubin				
To:	Vaughn Cox (DoEE)				
Copies:	Marni Baetge, John Braid				
From:	Lisa Boulden				
Subject:	Attachment E: Offset Textual Descriptions				

Condition 7(d) – Offset Site Textual Description

The entirety of this offset site was surveyed by Phoenix Environmental Sciences (Phoenix) in May 2018 and again in greater detail in Spring 2018 (Attachment 1). The key findings of the survey were (Phoenix, 2019):

- vegetation condition was mapped mainly as Excellent or Very Good (99.75%)
- nine vegetation units were mapped across the property including three representing the Eucalypt Woodlands TEC
- no Threatened flora were recorded but one possibly conservation significant flora species was recorded: a *Scholtzia* taxon, either *Scholtzia* sp. Duck Pool (M.E. Trudgen MET5427) or *Scholtzia* sp. Yenyening Lakes (A. Gunness 2824); the find represents a range extension for either of these species.
- an approx. 100km west-southwest range extension for *Triglochin longicarpa*
- no Weeds of National Significance were recorded, with only a single specimen of a Declared Pest, *Moraea miniata*, recorded
- eight fauna habitats were mapped as follows:
 - 4 shrubland (mixed)
 - 4 succulent steppe (samphire)
 - 4 woodland (*Banksia* and *Allocasuarina*)
 - 4 woodland (*Casuarina*)
 - 4 woodland (eucalypt/*Allocasuarina* and samphire)
 - 4 woodland (*Melaleuca*)
 - 4 woodland (Wandoo and/or Salmon Gum dominant)
 - 4 woodland (York Gym and/or Flooded Gum dominant).
- the property contains foraging and breeding habitat for Carnaby's Black Cockatoo. Surveys have recorded 323 potential breeding trees, of which 21 trees contains hollows suitable for breeding and 16 trees contains hollows with evidence of previous use, though it could not be determined at the time if this was actual breeding use or marks made during "hollow surveying" activities.
- The property may also provide habitat for the Malleefowl (*Leipoa ocellata*), Chuditch (*Dasyurus geoffroi*) and Red-Tailed Phascogale (*Phascogale calura*).

Attachment 2: Variation of Conditions Attached to Approval



VARIATION OF CONDITIONS ATTACHED TO APPROVAL

Great Northern Highway Muchea to Wubin Upgrade Stage 2 - Walebing to Wubin, WA (EPBC 2016/7761).

This decision to vary a condition of approval is made under section 143 of the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act).

Approved action

Person to whom the approval is granted	Main Roads ABN 50 860 676 021
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Approved action	To clear vegetation to upgrade, rebuild and/or partially relocate discrete sections of the Great Northern Highway between SLK 147 (Walebing) to SLK 258 (Wubin), Western Australia [See EPBC Act Referral 2016/7761, as varied under section 156B on 6 December 2017].
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Variation

Variation of conditions of approval	The variation is: Delete condition 7 and replace it with the condition specified below.
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Date of effect	This variation has effect on the date the instrument is signed
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Expiry Date of approval	This approval has effect until Friday, 31 December 2038
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Person authorised to make decision

Name and position	Chris Videroni Acting Assistant Secretary Assessments (WA, SA, NT), Post Approvals and Policy Branch
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Signature

Date of decision	18 July 2020
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Conditions attached to the approval

7. To compensate for the loss of up to 15 hectares of **Eucalypt Woodlands TEC**, the **approval holder** must, within one (1) year of the **commencement of the action**, or as otherwise agreed to by the **Minister**:

- a. submit to the **Minister** for approval the details of an offset site that:
 - i. is to be acquired and managed for conservation;
 - ii. includes a minimum of 134.1 hectares of **Eucalypt Woodlands TEC** at Lot 500, Yenyening, Western Australia; and
 - iii. meets the requirements of the **EPBC Environmental Offsets Policy**.
- b. make a financial contribution to an **approved conservation fund** to fully fund the purchase and management for conservation of the approved offset site;
- c. provide written evidence to the **Department** that the financial contribution:
 - i. has been made to the **approved conservation fund**; and
 - ii. has fully funded the purchase and management of the offset site.
- d. provide the **Department** with the offset attributes, **shapefiles** and textual descriptions and maps to clearly define the location and boundaries of the offset site.