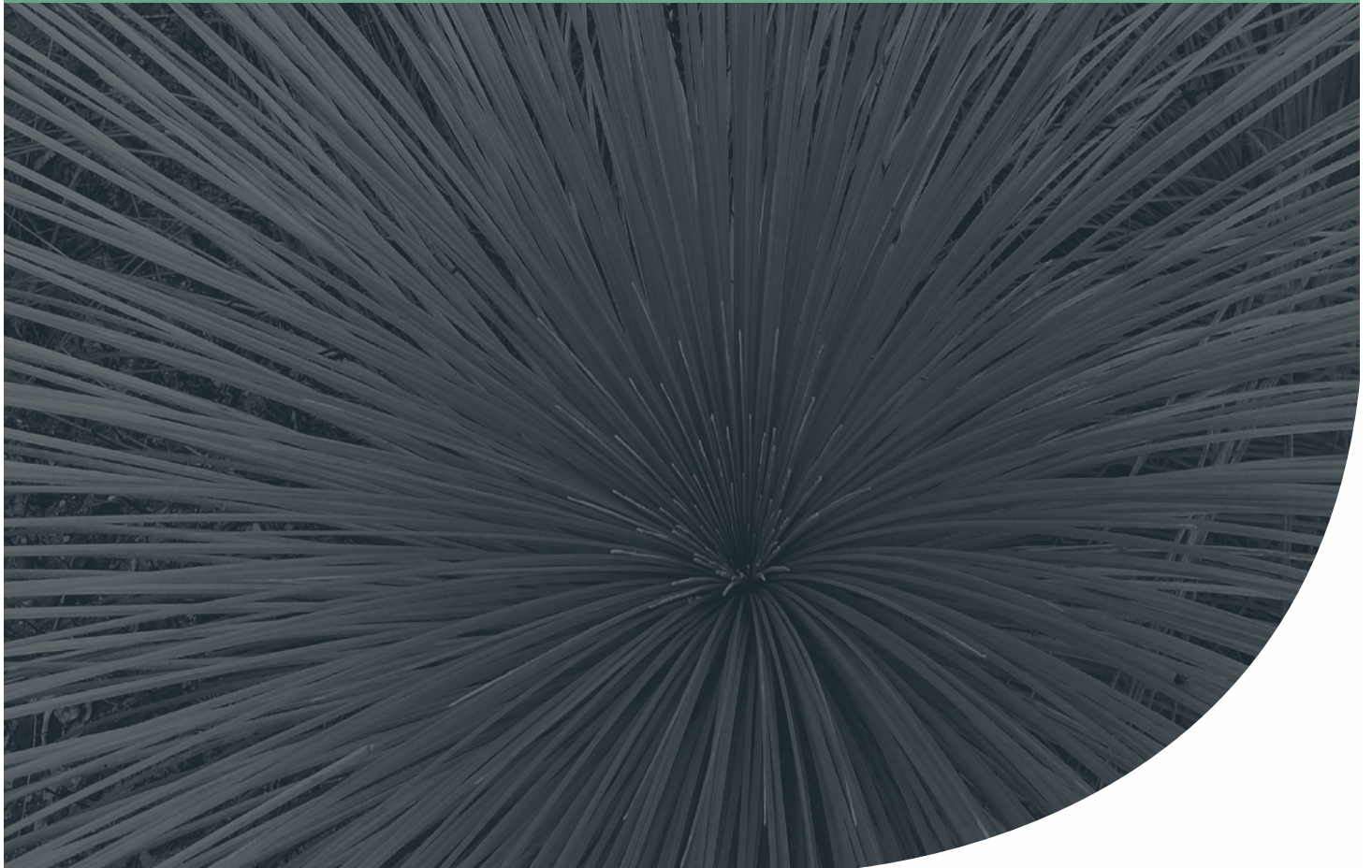


# 2020 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central

Project No: EP20-097(03)

**Prepared for Lendlease Communities (Alkimos Central) Pty  
Ltd  
November 2020**



# 2020 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



## Document Control

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	Updated in response to Lendlease comments				

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# 2020 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



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### Abbreviation Tables

Table A1: Abbreviations – Organisations

Organisations	
DAWE	Department of Agriculture, Water and the Environment
DBCA	Department of Biodiversity, Conservation and Attractions
DoEE	Department of the Environment and Energy (now DAWE)
DPAW	Department of Parks and Wildlife (now DBCA)
PTA	Public Transport Authority

Table A2: Abbreviations – General terms

General terms	
ACR	Annual Compliance Report
CBC	Carnaby's black cockatoo
CEMP	Construction Environmental Management Plan
PRR	Parks and Recreation Reserve
PRRMP	Parks and Recreation Reserve Management Plan
YRE	Yanchep Rail Extension

Table A3: Abbreviations – Legislation

Legislation	
EPBC Act	<i>Environmental Protection and Biodiversity Conservation Act 1999</i>

# 2020 Annual Compliance Report - EPBC 2015/7561

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## 1 Introduction

### 1.1 Purpose

This Annual Compliance Report (ACR) has been prepared for the purpose of fulfilling the requirements of Condition 7 of *Environmental Protection and Biodiversity Conservation Act 1999* (EPBC Act) approval 2015/7561 (EPBC 2015/7561). Condition 7 requires the proponent to publish an ACR addressing compliance with each condition of EPBC 2015/7561, as follows:

*Within 3 months of every 12 month anniversary of the commencement of the action, the person taking the action 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 person taking the action must continue to comply with this condition until such time as agreed in writing by the Minister.*

### 1.2 Scope

This ACR addresses the audit period between 26 September 2019 to 25 September 2020 for the conditions associated with EPBC 2015/7561. This ACR is due to be published on the Lendlease website by 24 December 2020.

As part of the preparation of the ACR, the relevant environmental management commitments/obligations included in the following management plans were also assessed to determine if the plans have been satisfactorily implemented:

- Construction Environmental Management Plan (CEMP) V4 (Strategen 2019a) – required by Condition 2.
- Parks and Recreation Reserve Management Plan (PRRMP) V4 (Strategen 2019b) – required by Condition 3.

Where a previous ACR found a condition or management commitment to be ‘Completed’ that finding was accepted as being applicable to the current audit period, unless circumstances to the contrary were identified, in which case the item was reassessed.

### 1.3 Project background

Lendlease Communities (Alkimos Central) Pty Ltd (Lendlease) in partnership with DevelopmentWA are developing Precinct 1 of the Alkimos Central (Vista) Residential Development located approximately 40 km north-west of the Perth Central Business District.

DevelopmentWA is the landholder of

- Alkimos City Centre (Lot 9502 Marmion Avenue, Alkimos)
- Central Alkimos (Lot 9501 Marmion Avenue, Alkimos)

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The environmental impacts of the two developments were cumulatively considered in a single EPBC referral, and is herein referred to as 'the project' with Lendlease being the designated 'approval holder'.

The project covers a total of approximately 480.4 ha, and is located within Lots 9501 and 9502 on Deposited Plan 400279. The project was referred to the Department of the Environment and Energy (DoEE) (now Department of Agriculture, Water and the Environment) due to the impacts on Carnaby's black cockatoo (CBC) habitat within the project area. Prior to clearing occurring, approximately 323.5 ha of potential foraging habitat was present within the project area, with approximately 257 ha of this vegetation to be cleared as part of future development. In addition, a total of 103 potential breeding trees were identified within the project area, with at least 16 trees to be retained as part of future development. As part of the project, no residential development will occur within the area identified as Parks and Recreation Reserves.

On 30 March 2017, the project was approved by the Federal Minister for the Environment under s130(1) and 133 of the EPBC Act. Construction of the project was subsequently commenced on the 26 September 2017. The project is anticipated to be delivered over the next 20 – 30 years.

### 1.4 Approvals under the *Environmental Protection and Biodiversity Conservation Act 1999*

On the 30 March 2017, the project received approval from the Federal Minister for the Environment. Since the original approval was received, a single variation with two iterations has been requested by Lendlease and subsequently approved by the then Department of Environment and Energy.

- Lendlease requested a transfer of EPBC 2015/7561 from the original holder of the approval, Lendlease Corporation Limited, to Lendlease Communities (Australia) Pty Ltd. This transfer was approved on 20 August 2019.
- An error was made in the original transfer, with the entity name incorrectly referred to as Lendlease Communities (Australia) Pty Ltd. On 30 September 2019 this error was updated, and the correct approval holder, Lendlease Communities (Australia) Limited was added to the approval.

## 2020 Annual Compliance Report - EPBC 2015/7561

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## 2 Project status

Activities undertaken during the audit period (26 September 2019 to 25 September 2020) involved activities relating to the construction of the Yanchep Rail Extension (YRE), which was carried out by the Public Transport Authority (PTA). This clearing included the removal of vegetation within the Parks and Recreation Reserve, Alkimos Central and Alkimos Vista.

Lendlease have not undertaken any clearing during this period. Civil construction, associated with the construction of several residential dwellings has occurred within previously cleared areas.

Activities undertaken in the Parks and Recreation Reserves include:

- Manual and spot spraying of weeds as required
- Formal revegetation monitoring
- Fencing repairs
- Removal of kangaroos
- Infill planting of seedlings.

## 2020 Annual Compliance Report - EPBC 2015/7561

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### 3 Audit methodology

The audit reported on in this ACR, addresses the period between 26 September 2019 and 25 September 2020 for the conditions and commitments of EPBC 2015/7561. The audit has considered emails, letters, reports, data and site photos applicable to the most recent audit period time, in addition to evidence presented as part of previous ACR's.

#### 3.1 Revisions to management plans

In accordance with Condition 10 of EPBC 2015/7591, both the CEMP and the PRRMP were updated during the audit period. The amendments to the CEMP and PRRMP were determined not to have a new or increased impact by the DoEE. The amendments to the plans reflected an updated ongoing management process, including annual compliance monitoring for dieback.

Version 3 of CEMP and PRRMP was provided to DoEE on 5 September 2019 in accordance with Condition 10. DoEE provided feedback to Strategen (as the authors of the management plans) on 23 September 2019 that there were several updates that required further clarification. Strategen provided finalised versions of both management plans (Version 4) to DoEE on 5 November 2019, who advised that the new management plans should be implemented as part of the project. DoEE were advised that the new management plans were published on the Lendlease website on 22 November 2019.

The latest versions of the CEMP (Version 4) and PRRMP (Version 4) have been assessed as part of this Annual Compliance Report.

#### 3.2 Audit approach

The 2020 compliance audit was undertaken in September and October 2020 and involved:

- A site inspection by Chrystal King from Emerge Associates on the 23 September 2020.
- Interviews with key members of the project team.
- Review of documentation provided by key members of the project team,

Key personnel consulted as part of the audit are listed in **Table 1**.

*Table 1: Key personnel consulted during the audit*

Personnel	Organisation and Position
Nadja Kampfenkel	Lendlease Development Sustainability Manager
Jacob Abbott	Lendlease Development Development Manager
Peter Grose	Tranen Managing Director Project Revegetation Consultant



## 2020 Annual Compliance Report - EPBC 2015/7561

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## 3.3 Audit terminology

The 'Compliance Status' of the audit tables describes the implementation of actions and compliance with the approval. **Table 2** details the terminology that has been applied in this audit.

Table 2: Audit terminology

Compliance status term	Abbreviation	Description
Regulatory requirements - applicable to the conditions of approval		
Compliant	C	When all the requirements of a condition have been met, including the implementation of management plans or other measures required by those conditions.
Completed	CLD	Where a requirement with a finite period of application has been satisfactorily completed.
Not Applicable	N/A	Where the requirements of a condition or elements of a condition fall outside of the scope of the current reporting period. For example, a condition which applies to an activity that has not yet commenced.
Non-compliant	NC	Where the requirements of a condition or elements of a condition, including the implementation of management plans and other measures, have not been met.
Corporate policies, standards and procedures – applicable to the CEMP and PRRMP		
Conformant	C	When sufficient evidence has been provided to confirm that the requirements within a corporate policy, standard and/or procedure (including an environmental management plan) has been satisfactory implemented.
Completed	CLD	Where a requirement with a finite period of application has been satisfactorily completed.
Not Applicable	N/A	Where the requirements of a corporate policy, standard and/or procedure (including an environmental management plan) fall outside of the scope of the current reporting period. For example, a management plan which applies to an activity that has not yet commenced.
Non-conformant	NC	Where the requirements within a corporate policy, standard and/or procedure (including an environmental management plan) have not been satisfactory implemented.

\*adapted from OEPA (2012b, 2012a); DoEE (2014); Graham A Brown & Associates (2014); OEPA (Undated)

## 4 Audit findings

The results of the 2020 audit of EPBC 2015/7561 area shown in **Table 3**.

The results of the 2020 audit of conformance with the ongoing objectives of the CEMP (condition 2) are outlined in **Appendix B**, and for the management actions within the PRRMP (condition 3) within **Appendix C**.

A total of 119 items were audited from EPBC 2015/7561, the CEMP and the PRRMP.

### 4.1 Compliance with EPBC 2015/7561 conditions

No potential non-compliances with conditions of EPBC 2015/7561 (**Table 3**) were identified during the audit. It was found that of the 15 key actions within the approval:

- Nine were deemed compliant.
- Three were deemed completed.
- Three were not applicable during the audit period.

#### 4.1.1 Conformance with the Construction Environmental Management Plan

Based on the audit methodology specified in **Section 3**, one potential non-conformance with the requirements of the CEMP (**Appendix B**) was identified during the audit. At the time of the site inspection undertaken on 23 September 2020, it was observed that bins within the site were not closed. This is a potential non-conformance against Condition 11 of the CEMP, which states that *“all bins shall have secure lids which remain closed and will need to be emptied regularly”*. It is noted that this potential non-conformance was rectified on 7 October 2020, outside of the audit period.

It is noted that whilst this has been identified as a potential non-conformance, it is a minor non-conformance that has since been rectified, and was not contributing to attracting pests or a dirty or unclean site. The actions taken to rectify the non-conformance should ensure that there are no further non-conformances going forward.

#### 4.1.2 Conformance with the Parks and Recreation Management Plan

Based on the audit methodology specified in **Section 3**, no non-conformances with the requirements of the PRRMP (**Appendix C**) were identified during the audit.

## 2020 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



Table 3: Compliance with conditions in EPBC 2015/7561

Condition reference	Condition	Compliance status	Comment	Evidence
1	<p>The person taking the action must not clear more than 257 hectares of Carnaby's Black-Cockatoo habitat within the project area (shown as the proposed clearing area in <b>Appendix A</b>).</p>	C	<p>There has been no clearing or bulk earthworks as part of the Alkimos Vista development from 26th September 2019 until the 25th September 2020 that has been undertaken by Lendlease. During the audit period, clearing has been undertaken by the Public Transport Authority (PTA) to facilitate the development of the Yancheep Rail Extension which bisects the project area. PTA clearing has occurred within Alkimos Vista, Alkimos Central and with PRR.</p> <p>The PTA have provided a map and shapefile detailing the amount of Carnaby's Black-Cockatoo habitat clearing that has been undertaken between 26th September 2019 until the 25th September 2020. A total of 6 ha of clearing has occurred during this period.</p> <p>The cumulative total of the clearing of Carnaby's Black-Cockatoo habitat since the commencement of the action is 35.95 ha.</p>	<p>E005_Cossill &amp; Webley_Cossills email 3-09-2020</p> <p>D0020_PTA Yancheep Rail Extension (Part 1) - Clearing within EPBC 2015/7561</p> <p>D0030_Roberts Day CBC Habitat and Proposed Clearing Map</p>
2	<p>To mitigate impacts to Carnaby's Black-Cockatoos, the person taking the action must prepare and submit a Construction Environmental Management Plan (CEMP), for the approval of the Minister. The person taking the action must not commence clearing unless the Minister has approved the CEMP.</p> <p>The CEMP must include, but is not limited to:</p> <ol style="list-style-type: none"> <li>avoidance and mitigation measures to prevent impacts to Carnaby's Black-Cockatoo habitat following the commencement of the action, the measures must include measures to control site access, weeds, <i>Phytophthora</i> die back, erosion and dust</li> <li>performance indicators that measure the effectiveness of avoidance and mitigation measures to prevent impacts to Carnaby's Black-Cockatoo habitat</li> <li>details of performance monitoring, reporting and contingency measures if performance indicators are not met</li> <li>timeframes for the implementation of the above measures</li> <li>descriptions of the roles and responsibilities of personnel associated with implementing each of the above measures.</li> </ol> <p>If the Minister approves the CEMP then the approved CEMP must be implemented.</p>	C	<p>DoEE advised on 26 July 2017 that Revision 2 of the CEMP met the requirements of condition 2 as outlined in the 2018 ACR.</p> <p>As outlined in the 2019 ACR, Revision 3 of the CEMP was submitted to the DoEE on 16 September, with initial comments received from DoEE on 23 September 2019. Revision 4 was provided to DoEE on 5 November 2019 with DoEE advising they were suitable for implementation.</p> <p>The key management actions of the CEMP were assessed during this audit period and of the 40 actions identified in the CEMP:</p> <ul style="list-style-type: none"> <li>39 were assessed as conformant</li> <li>One was assessed as non-conformant</li> </ul> <p>The objectives of the CEMP have been met and it has been determined that the plan has been implemented acceptably during this audit period. Compliance with the CEMP is discussed below in <b>Appendix B</b>.</p>	<p>R001_Strategen Alkimos City Centre and Central CEMP (Rev 4 CEMP 2019)</p> <p>E0021_Strategen-JBS&amp;G_Approved changes to CEMP and RPPMP</p>
3	<p>To mitigate impacts to Carnaby's Black-Cockatoos, the person taking the action must prepare and submit a Parks and Recreation Reserve Management Plan (PRRMP), for the approval of the Minister. The person taking the action must not commence clearing unless the Minister has approved the PRRMP.</p> <p>In relation to the Parks and Recreation Reserve, the PRRMP must include, but is not limited to:</p> <ol style="list-style-type: none"> <li>zoning and tenure arrangements</li> <li>measures to physically delineate 66.64 ha of Carnaby's Black Cockatoo habitat that will be retained within the Parks and Recreation Reserve</li> <li>an outline of how Carnaby's Black-Cockatoo habitat will be rehabilitated</li> <li>objectives, interim targets and completion criteria for the rehabilitation, including site preparation works, seedling planting program, success rates and details of replanting requirements, if success rates are not achieved</li> <li>management measures including fencing, access controls, weed and pest management, and the control of <i>Phytophthora cinnamomi</i> (dieback) spread</li> <li>management of nesting hollows, including hollows removed and relocated prior to clearing, and artificial nesting boxes <ol style="list-style-type: none"> <li>A total of 12 artificial nest boxes or nesting hollows must be installed within the project area</li> <li>The construction, positioning and erection of the artificial nest boxes must be in accordance with the WA DEC Publication "Artificial hollows for Carnaby's black cockatoo" (Groom, 2010)</li> <li>The artificial nest boxes must be inspected at least annually to check for condition and evidence of black cockatoo usage for a period of five years. Repair of damage/deterioration, removal of bee colonies, replacement of mulch and/or sacrificial chewing posts, must be undertaken prior to the next breeding season.</li> </ol> </li> <li>timeframes for implementing the above measures</li> <li>performance indicators that measure the effectiveness of measures to mitigate impacts to Carnaby's Black-Cockatoos</li> <li>details of performance monitoring, reporting and contingency measures if interim targets, completion criteria and performance indicators are not met</li> <li>descriptions of the roles and responsibilities of personnel associated with implementation of each of the above measures.</li> </ol> <p>If the Minister approves the PRRMP then the approved PRRMP must be implemented.</p>	C	<p>The DoEE advised on 26 July 2017 that Revision 2 of the PRRMP met the requirements of condition 2 as outlined in the 2018 ACR.</p> <p>As outlined in the 2019 ACR, Revision 3 of the PRRMP was submitted to the DoEE on 16 September, with initial comments received from DoEE on 23 September 2019. Revision 4 was provided to DoEE on 5 November 2019 with DoEE advising they were suitable for implementation.</p> <p>The key management actions of the PRRMP were assessed during this audit period and of the 64 actions identified in the PRRMP:</p> <ul style="list-style-type: none"> <li>55 were assessed as conformant or completed</li> <li>0 were assessed as non-conformant</li> <li>9 were assessed as not applicable.</li> </ul> <p>The objectives of the PRRMP have been met and it has been determined that the plan has been implemented acceptably during this audit period. Compliance with the PRRMP is discussed below in <b>Appendix C</b>.</p>	<p>R002_Strategen Alkimos City Centre and Central PRRMP (Rev 4 PRRMP)</p> <p>E0021_Strategen-JBS&amp;G_Approved changes to CEMP and RPPMP</p>

## 2020 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



Table 3: Compliance with conditions in EPBC 2015/7561 (continued)

Condition reference	Condition	Compliance status	Comment	Evidence
4	To offset the loss of Carnaby's Black-Cockatoo habitat, the person taking the action must, prior to the commencement of the action, provide the Department with:  a. written evidence that an offset property in the vicinity of Gingin, Western Australia, that has at least 1138 ha of Carnaby's Black-Cockatoo habitat, has been transferred to the Western Australian Department of Parks and Wildlife (WA DPaW) to offset the action being undertaken within the project area; and b. a textural description and map clearly defining the locations and boundaries of the offset property. This information must be accompanied by the offset attributes and shapefiles; and c. written evidence that \$50,000 has been provided to the Kaarakin Black Cockatoo Conservation Centre.	CLD	This item was assessed as Compliant (complete) in the 2018 ACR.	R0011_Strategen 2018 ACR
5	Within 30 days after the commencement of the action, the person taking the action must advise the Department in writing of the actual date of commencement.	CLD	This item was assessed as Compliant (complete) in the 2018 ACR.	R0011_Strategen 2018 ACR
6	The person taking the action must maintain accurate records substantiating all activities associated with or relevant to the conditions of approval, including measures taken to implement the Plans and make them available upon request to the Department. Such records may be subject to audit by the Department or an independent auditor in accordance with section 458 of the EPBC Act, or used to verify compliance with the conditions of approval. Summaries of audits will be posted on the Department's website. The results of audits may also be publicised through the general media.	C	Accurate records for all applicable conditions have been maintained and were available at the time of the audit and following the audit (refer to other items in this table and appendices).	All evidence utilised inform this ACR
7	Within 3 months of every 12 month anniversary of the commencement of the action, the person taking the action 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 person taking the action must continue to comply with this condition until such time as agreed in writing by the Minister.	C	The 2019 ACR was due to be published by 25 December 2019. Lendlease advised the DoEE on 12 December 2019 that the ACR had been prepared and published online. The DoEE acknowledged receipt of the email on 19 December 2019.	R003_Strategen 2019 ACR E0012_EPBC Monitoring_Submission of 2018/2019 ACR
8	The person taking the action must notify the Department within seven business days of first becoming aware of potential non-compliance with a condition of the approval. The notification must include details of the potential non-compliance as well as any remediation activities that have been undertaken.	C	There were no potential non-compliances identified during the audit period.	E0016_Lendlease_Nadja email evidence request
9	Upon the direction of the Minister, the person taking the action 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.	C	The Minister did not request an independent audit during the reporting period.	E0016_Lendlease_Nadja email evidence request
10	The person taking the action may choose to revise a Plan approved by the Minister under condition 2 or 3 without submitting it for approval under section 143A of the EPBC Act, if the taking of the action in accordance with the revised Plan would not be likely to have a new or increased impact. If the person taking the action makes this choice they must: a. notify the Department in writing that the approved Plan has been revised and provide the Department with an electronic copy of the revised Plan; b. implement the revised Plan from the date that the Plan is submitted to the Department; and c. for the life of this approval, maintain a record of the reasons the person taking the action considers that taking the action in accordance with the revised Plan would not be likely to have a new or increased impact.	C	Both the CEMP and PRRMP were updated during the current audit period. Revisions 3 of the CEMP and PRRMP were submitted to the DoEE on 16 September, with initial comments received from DoEE on 23 September 2019. Revisions 4 were provided to DoEE on 5 November 2019 with DoEE advising they were suitable for implementation.  Both management plans have been implemented in accordance with the management actions as specified in the CEMP and PRRMP.	R001_Strategen Alkimos City Centre and Central CEMP (Rev 4 CEMP 2019) R002_Strategen Alkimos City Centre and Central PRRMP (Rev 4 PRRMP) E0021_Strategen-JBS&G_Approved changes to CEMP and RPPMP
10A	The person taking the action may revoke their choice under condition 10 at any time by notice to the Department. If the person taking the action revokes the choice to implement a revised Plan, without approval under section 143A of the EPBC Act, the Plan approved by the Minister must be implemented.	N/A	Lendlease have not revoked the choice to implement a revised plan.	N/A
10B	If the Minister gives a notice to the person taking the action 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: a. condition 10 does not apply, or ceases to apply, in relation to the revised Plan; and b. the person taking the action must implement the Plan approved by the Minister. To avoid any doubt, this condition does not affect any operation of conditions 10 and 10A in the period before the day the notice is given.  At the time of giving the notice the Minister may also notify that, for a specified period of time, condition 10 does not apply for one or more specified Plan required under the approval.	N/A	The Minister did not provide notice during the audit period about a revised plan.	N/A
10C	Conditions 10, 10A and 10B are not intended to limit the operation of section 143A of the EPBC Act which allows the person taking the action to submit a revised Plan to the Minister for approval.	N/A	This condition has been taken as a note.	N/A

## 2020 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



Table 3: Compliance with conditions in EPBC 2015/7561 (continued)

Condition reference	Condition	Compliance status	Comment	Evidence
11	If, at any time after 5 years from the date of this approval, the person taking the action has not commenced the action, then the person taking the action must not commence the action without the written agreement of the Minister.	CLD	This item was assessed as Compliant (Complete) in the 2018 ACR.	R0011_Strategen 2018 ACR
12	Unless otherwise agreed to in writing by the Minister, the person taking the action must publish the Plans referred to in these conditions of approval on their website. The Plans must be published on the website within 1 month of being approved by the Minister or being submitted under condition 10.	C	Revision 4 of the CEMP and PRRMP were uploaded on the Alkimos vista website on the 22/11/2019, within 1 month of being approved by the Department of Environment and Energy.	E008_Lendlease_Email from Laura to EPBC monitoring 22/11/2019

## 2020 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



## 5 References

### 5.1 General references

The references listed below have been considered as part of preparing this document.

Department of Environment and Energy (DoEE) 2014, *Annual Compliance Report Guidelines*, Canberra.

Graham A Brown & Associates 2014, *Environmental Audit Guidebook*, Thomson Reuters.

Office of the Environmental Protection Authority (OEPA) 2012a, *Post Assessment Guideline for Preparing a Compliance Assessment Report*.

Office of the Environmental Protection Authority (OEPA) 2012b, *Post Assessment Guidelines for Preparing an Audit Table*.

Office of the Environmental Protection Authority (OEPA) Undated, *Post Assessment Form 2 for a Statement of Compliance*, Perth, WA.

Strategen 2019a, *Construction Environmental Management Plan - Alkimos City Centre and Central (EPBC 2015/7561) -*, Revision 4.

Strategen 2019b, *Parks and Recreation Reserve Management Plan - Alkimos City Centre and Central (EPBC 2015/7561)*, Revision 4.

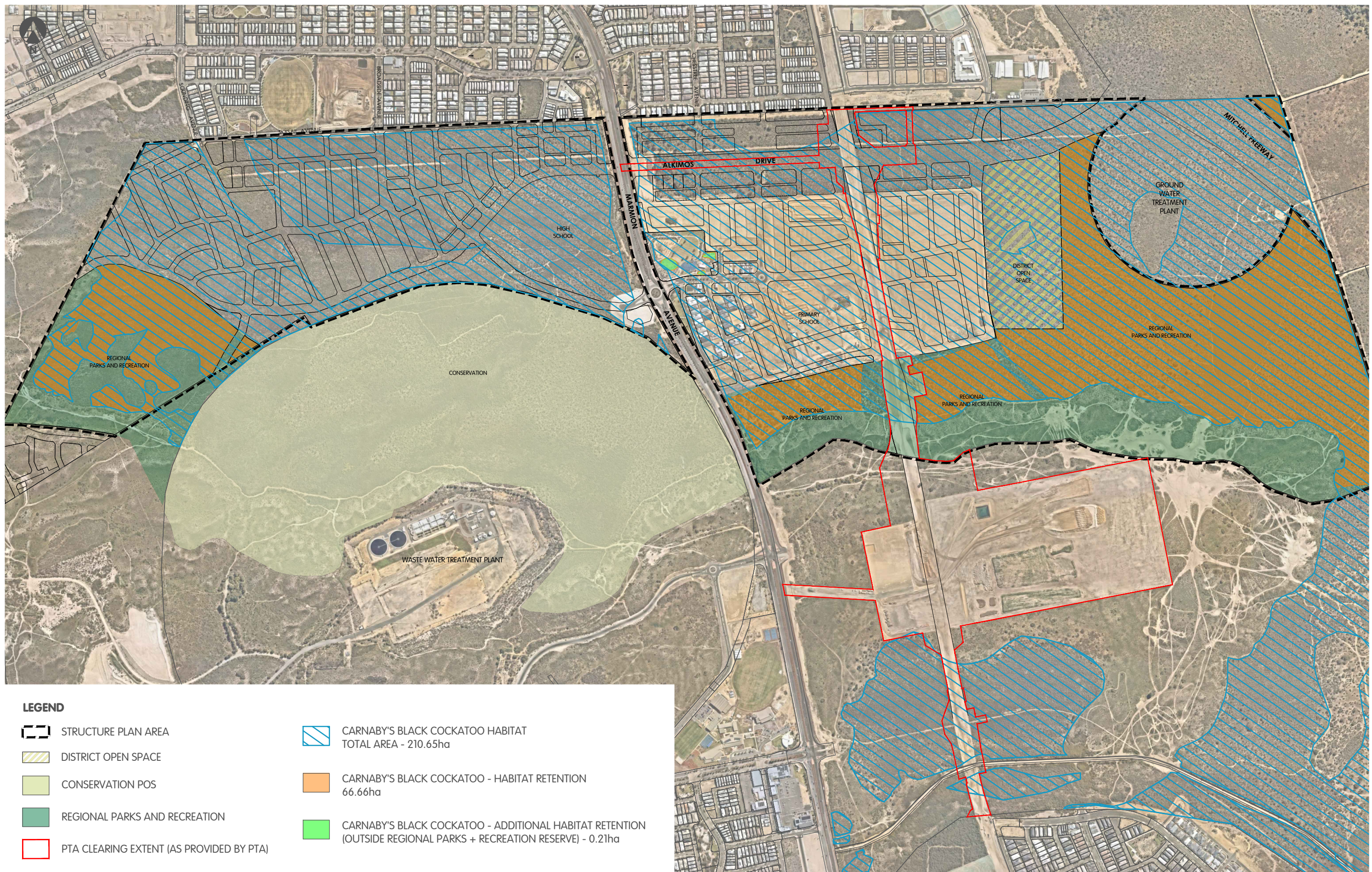
# Appendix A

Carnaby's Black Cockatoo habitat clearing area (Roberts Day 2020)

















**LEGEND**

-  STRUCTURE PLAN AREA
-  DISTRICT OPEN SPACE
-  CONSERVATION POS
-  REGIONAL PARKS AND RECREATION
-  PTA CLEARING EXTENT (AS PROVIDED BY PTA)
-  CARNABY'S BLACK COCKATOO HABITAT  
TOTAL AREA - 210.65ha
-  CARNABY'S BLACK COCKATOO - HABITAT RETENTION  
66.66ha
-  CARNABY'S BLACK COCKATOO - ADDITIONAL HABITAT RETENTION  
(OUTSIDE REGIONAL PARKS + RECREATION RESERVE) - 0.21ha

**CADASTRAL INFORMATION**  
 SOURCE: MAPS  
 YYYYMMDD: VARIED  
 DWG REF: VARIED  
 PROJECTION: PCG94

**AERIAL PHOTOGRAPHY**  
 SOURCE: NEARMAPS  
 YYYYMMDD: 190907



REV	DESCRIPTION	YYYYMMDD	DRAWN	APPR'D
H	INCL. UPDATED PTA CLEARING	201102	II	RD
G	ADD PTA RESERVES	201022	II	RD
F	UPDATE ORTHO + FIGURES	191007	SB	RD
E	UPDATE ORTHO + FIGURES	191007	SB	RD

**CBC HABITAT & PROPOSED CLEARING**  
**Alkimos Vista, Alkimos**  
 City of Wanneroo

REF NO. **DLL CEN**    DRAW NO. **RD1 091**    REV. **H**

DISCLAIMER: ISSUED FOR DESIGN INTENT ONLY. ALL AREAS AND DIMENSIONS ARE SUBJECT TO DETAIL DESIGN AND SURVEY



# Appendix B

Conformance with the Construction Environmental Management Plan





## 2020 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



Table B1: Conformance with the Construction Environmental Management Plan

Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
<b>4. Management measures</b>						
CEMP 1	Site preparation and clearing	Induct all personnel working on site in relation to the following: <ul style="list-style-type: none"> <li>restricted and/or 'no-go' areas, including the PRR and other restricted/protected areas on site</li> <li>key requirements of the PRRMP</li> <li>key requirements of the Construction Environmental Management Plan (CEMP) relating to protection of CBCs (hygiene measures, waste management, traffic management, erosion and dust control).</li> </ul>	Prior to commencing work on site	C	<p>Prior to personnel working on site, a site-specific induction is undertaken. The induction includes key requirements of the PRRMP and CEMP and any access restrictions/prohibited areas on site.</p> <p>Georgiou maintain an induction register, for all employees and subcontractors. This register records the date that the online induction was undertaken, and whether training needs to be refreshed, or if tickets/compliances have expired.</p> <p>Two separate environmental inductions are undertaken for workers involved with the Yanchep Rail Extension project that is located within the site, one for the NEWest Alliance who are constructing the project, in addition to the Public Transport Authority (PTA) who are managing the project.</p>	<p>D0031_Georgiou Georgiou Induction Register</p> <p>D004_Georgiou Georgiou Alkimos Site Induction</p> <p>D0021_PTA Yanchep Rail Extension Environmental Induction</p> <p>D0022_NEWest Alliance Yanchep Rail Extension Environmental Induction</p> <p>D001_Lend Lease 01/2020 CEMP Compliance checklist</p> <p>D002_Lend Lease 09/2020 CEMP Compliance checklist</p> <p>E0025_Georgiou Induction compliance report details</p>
CEMP 2		Clearly mark CBC habitat proposed to be retained (as indicated on Figure 2) on construction drawings and delineated by survey pegs and/or temporary fencing along the entire stage boundary.	Pre- & during clearing	C	<p>No clearing for residential development occurred during the audit period.</p> <p>As part of the audit compliance visit undertaken on 23 September 2020, fencing was observed delineating retained PRR from the remainder of the site.</p> <p>Temporary fencing was used to delineate areas of retained CBC habitat and this area was included onto drawings provided to the clearing contractor.</p>	<p>E005_Cossill &amp; Webley_Cossills email 3-09-2020</p> <p>D001_Lend Lease 01/2020 CEMP Compliance checklist</p> <p>D002_Lend Lease 09/2020 CEMP Compliance checklist</p> <p>D0023_PTA Yanchep Rail Extension - Stage 1 Clearing Boundary</p> <p>P0049_PTA07 Clearing Pegs</p> <p>D0010_Emerge Associates 0108_001 (Site Audit Notes)</p>
CEMP 3		Clearly mark trees proposed to be retained on construction drawings and by coloured tape within the Project site.	Pre- & during clearing	C	<p>No clearing for residential development occurred during the audit period.</p> <p>As per the 2019 ACR, the 16 habitat trees to be retained are in the PRR and therefore not included on construction drawings. Clearing undertaken by the PTA was not near the habitat trees.</p>	<p>E005_Cossill &amp; Webley_Cossills email 3-09-2020</p> <p>R003_Strategen 2019 ACR</p>
CEMP 4		Provide GPS co-ordinates of areas approved to be cleared and those required to be retained to the contractor to ensure no unapproved clearing is undertaken.	Pre- & during clearing	C	<p>The clearing boundary was provided to the clearing contractor undertaking the PTA works.</p> <p>No clearing for residential development occurred during the audit period.</p>	<p>E005_Cossill &amp; Webley_Cossills email 3-09-2020</p> <p>E0022_PTA_PTA08 Transmittal to Clearing Contractor</p>
CEMP 5		Install appropriate fencing or barriers to restrict access to unwanted tracks in PRR areas.	During construction	C	<p>As per the 2019 ACR, appropriate fencing of the PRR areas adjacent to cleared areas have been installed.</p> <p>As part of the audit compliance visit undertaken on 23 September 2020, fencing was observed delineating retained PRR from the remainder of the site.</p> <p>PTA have provided a register of environmental inspections that have been undertaken within the YRE works area, which includes examining fencing adjacent to the PRR areas.</p>	<p>R003_Strategen 2019 ACR</p> <p>D0024_PTA Yanchep Rail Extension - Environmental Inspections</p> <p>P003_IMG_20200923_112951</p> <p>P0047_IMG_20200923_113920</p> <p>D0010_Emerge Associates 0108_001 (Site Audit Notes)</p>

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Table B1: Conformance with the Construction Environmental Management Plan (continued)

Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
<b>4. Management measures</b>						
CEMP 6		Install appropriate temporary signage to restrict unauthorised access to the PRR.	Pre- & during construction	C	As per the 2019 ACR, appropriate fencing of the PRR areas adjacent to cleared areas have been installed. No unauthorised access is currently available to the PRR, and so no signage has been installed.  Temporary signage was installed by PTA adjacent to areas of clearing prior to the installation of permanent fencing. All PTA personnel working in the PRR signed on to the Ground Disturbance Permit with a map of no-go areas delineated.	D0010_Emerge Associates 0108_001 (Site Audit Notes) P0056_PTA11 Temporary Signage D0027_PTA Alkimos PRR Ground Disturbance Permit Application D0028_PTA Alkimos Stockpile Ground Disturbance Permit Application
CEMP 7		Ensure no domestic animals, traps or firearms are permitted onsite.	Pre- & during clearing	C	The Georgiou site induction specifically mentions that domestic animals, traps and firearms are not permitted on site. No records of feral animals, traps or firearms have been recorded on the site.	D004_Georgiou Georgiou Alkimos Site Induction E0020_Lendlease_EPBC audit 2020 Tranen monitoring further evidence
CEMP 8		If clearing occurs during CBC breeding season (July – December), habitat tree assessments of potential breeding trees within 30 m from the construction area must be conducted to check for nesting hollows and use by CBCs.	Pre-clearing, during CBC breeding season – within 7 days prior to clearing	C	No clearing for residential development occurred during the audit period.  The clearing associated with the YRE by the PTA occurred more than 30 m from any potential breeding trees, and no nest checks were required.	E005_Cossill & Webley_Cossills email 3-09-2020
CEMP 9		If active CBC nests are located on site, the tree must be clearly demarcated and not cleared until fledglings have left the nest.	Pre-clearing, if active CBC nests are located.	C	Refer to CEMP 8. No active CBC nests are known to occur on the site. A total of 12 artificial hollows have been installed, which are monitored to determine whether any hollows are in use. The results of the monitoring during the audit period determined that no CBC nests are in use.	L001_Emerge Associates Emerge Cockatoo monitoring 1-2020
CEMP 10	Waste management	Maintain work areas in a clean and tidy manner to ensure that feral and other pest species are not attracted to site.	Pre- & during construction	C	The Georgiou, PTA and NEWest inductions and compliance process support tidy and clean workplaces, including appropriate disposal of rubbish.  Georgiou's health, safety and environment (HSE) management plan includes a waste management sub plan.  Ongoing compliance checks are undertaken by Lendlease and PTA to ensure the site is maintained in a clean and tidy manner.  Several minor non-compliances have been observed during the regular inspections, which have been rectified throughout the audit period.  As part of the audit compliance visit undertaken on 23 September 2020, the site was observed to be clean and tidy.	D004_Georgiou Georgiou Alkimos Site Induction D0021_PTA Yanchep Rail Extension Environmental Induction D0022_NEWest Alliance Yanchep Rail Extension Environmental Induction D005_Georgiou Georgiou HSE Management Plan D001_Lend Lease 01/2020 CEMP Compliance checklist D002_Lend Lease 09/2020 CEMP Compliance checklist D0024_PTA Yanchep Rail Extension - Environmental Inspections D0010_Emerge Associates 0108_001 (Site Audit Notes)
CEMP 11		All bins shall have secure lids which remain closed and will need to be emptied regularly.	Pre- & during construction	NC	Georgiou's health, safety and environment (HSE) management plan includes a waste management sub plan.  As part of the audit compliance visit undertaken on 23 September 2020, it was observed that several bin lids within the Georgiou compound were not closed. This issue was rectified post-audit period, with Lendlease advising on 7 October that the bins had been moved to a suitable location out of the wind.  As the bins were not closed on the day of the site visit, this has been identified as a minor non-compliance, particularly as this non-compliance has since been rectified. It is also noted that no visible waste was present outside of the open bins, meeting the intent of this condition to maintain a clean and tidy site.	D005_Georgiou Georgiou HSE Management Plan D001_Lend Lease 01/2020 CEMP Compliance checklist D002_Lend Lease 09/2020 CEMP Compliance checklist D0024_PTA Yanchep Rail Extension - Environmental Inspections E0023_Lendlease_Nadja email bins

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Alkimos Vista and Alkimos Central



Table B1: Conformance with the Construction Environmental Management Plan (continued)

Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
<b>4. Management measures</b>						
CEMP 12	Traffic management	A maximum speed limit of 40 km/h is permitted within the construction area and will be sign posted within the construction area.	Pre- & during construction	C	Speed limits are communicated via the site induction and via signage on site.	D004_Georgiou Georgiou Alkimos Site Induction D0021_PTA Yanchep Rail Extension Environmental Induction D0022_NEWest Alliance Yanchep Rail Extension Environmental Induction
CEMP 13	Weed and dieback management	Induct all construction personnel in relation to dieback and weeds risk, potential impacts and management.	Prior to commencing work on site and Pre- & during construction	C	Dieback and weed management are discussed in the site-specific induction required to be undertaken by all site personnel.  Georgiou's health, safety and environment (HSE) management plan includes a weeds, pest and disease management sub plan.	D004_Georgiou Georgiou Alkimos Site Induction D0021_PTA Yanchep Rail Extension Environmental Induction D0022_NEWest Alliance Yanchep Rail Extension Environmental Induction D005_Georgiou Georgiou HSE Management Plan
CEMP 14		Undertake baseline and follow-up dieback assessments of the PRR, as advised by the suitably qualified Dieback Survey Consultant	Prior to the commencement of work on site, where site works are adjacent (up to 50 m) to the PRR and as appropriate.	C	No clearing for residential development occurred during the audit period. Dieback was assessed prior to the initial clearing occurred, as detailed in the 2019 ACR.  As part of the clearing associated with the YRE, a dieback survey was undertaken by Glevan Consulting on behalf of the PTA. No dieback was recorded within the site.	R003_Strategen 2019 ACR E005_Cossill & Webley_Cossills email 3-09-2020 R0019_Glevan Consulting PTA16 Dieback Assessment Survey
CEMP 15		Make sure all vehicles; machinery and equipment are clean prior to entering site.	During construction	C	Plant/equipment compliance checks are completed on arrival at site, as communicated in the Georgiou, PTA and NEWest inductions.  Plant compliance checklists for Georgiou, PTA and NEWest include a clean on entry inspection.	D004_Georgiou Georgiou Alkimos Site Induction D0021_PTA Yanchep Rail Extension Environmental Induction D0022_NEWest Alliance Yanchep Rail Extension Environmental Induction D006_Georgiou PCC 533 (Plant Compliance Checklist) D007_Georgiou PCC 685 (Plant Compliance Checklist) D0025_PTA Equipment Hygiene Inspection Certificates D0026_NEWest Alliance Equipment Hygiene Inspection Certificates
CEMP 16		Restrict access of vehicles to areas of construction to minimise the spread or introduction of weeds or pathogens. Access restrictions will be communicated through inductions, signage and fencing.	Pre- & during construction	C	Vehicles are to be clean on entry and access restrictions are discussed in the Georgiou, PTA and NEWest site induction packages  Access is minimised through signage and installation of fences. Access associated with the YRE is limited to the area approved in the Ground Disturbance Permits.	D004_Georgiou Georgiou Alkimos Site Induction D0021_PTA Yanchep Rail Extension Environmental Induction D0022_NEWest Alliance Yanchep Rail Extension Environmental Induction D0027_PTA Alkimos PRR Ground Disturbance Permit Application D0028_PTA Alkimos Stockpile Ground Disturbance Permit Application

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Table B1: Conformance with the Construction Environmental Management Plan (continued)

Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
<b>4. Management measures</b>						
CEMP 17		In the event construction vehicles are required to enter PRR areas, all vehicles, machinery and equipment will be free of mud and soil prior to entering retained vegetation to prevent introduction and spread of weeds and pathogens.	At all times	C	<p>The Georgiou site induction specifically mentions that Georgiou staff are not to enter the PRR.</p> <p>PTA and NEWest staff entered the PRR to undertake clearing to support the construction of the YRE. All vehicles were subject to cleaning prior to entering the site, as per the hygiene inspection certificates, and were inspected for any material prior to entering the PRR.</p> <p>Revegetation activities are currently undertaken on foot, and no subcontractors' vehicles are entering the site as part of these works. Tranen have advised that if their vehicles enter the PRR, these vehicles are washed done prior to entering the PRR.</p>	<p>D004_Georgiou Georgiou Alkimos Site Induction</p> <p>D0025_PTA Equipment Hygiene Inspection Certificates</p> <p>D0026_NEWest Alliance Equipment Hygiene Inspection Certificates</p> <p>D0027_PTA Alkimos PRR Ground Disturbance Permit Application</p> <p>D0028_PTA Alkimos Stockpile Ground Disturbance Permit Application</p> <p>R0010_Tranen Tranen PRR Rehab Autumn 2020 monitoring</p>
CEMP 18		Clean on exit all vehicles, machinery, equipment and footwear if activities undertaken within any known dieback infested areas.	During construction and revegetation works.	C	No areas of dieback were recorded prior to the 2019 audit (as per the 2019 ACR), and no further dieback was recorded as part of the most recent survey undertaken by Glevan.	<p>R003_Strategen 2019 ACR</p> <p>R0019_Glevan Consulting PTA16 Dieback Assessment Survey</p>
CEMP 19		Ensure any fill/soil brought onto site is certified disease free.	During construction	C	<p>As per the 2019 ACR, no fill has been brought on to the site, and Georgiou's scope of works confirms that earthworks are being undertaken on a 'cut to fill' basis.</p> <p>As part of the rehabilitation efforts within the PRR, the only soil brought into the site is through seedlings procured through Plantrite. Plantrite are NIASA accredited, which requires them to use disease-free soil.</p> <p>Fill brought into the site as part of the YRE project has come from within the rail corridor. Fill is identified as either 'dieback free' or 'dieback uninterpretable' (due to an insufficient coverage of reliable indicator species) and is stockpiled separately and signposted.</p>	<p>R003_Strategen 2019 ACR</p> <p>D0029_PTA EPBC Annual Compliance Audit Matrix</p> <p>D0019_Greenlife Industry Australia Certificate of Accreditation Plantrite</p> <p>D0027_PTA Alkimos PRR Ground Disturbance Permit Application</p> <p>D0028_PTA Alkimos Stockpile Ground Disturbance Permit Application</p>
CEMP 20	Erosion and dust control	Cleared areas will be stabilised to prevent wind-blown dust generating on site.	During construction	C	<p>The Georgiou monthly compliance checklist includes checks to confirm dust management is undertaken in accordance with the dust suppression plan and that weather is monitored to ensure adequate dust management measures are implemented which includes the use of two water carts.</p> <p>Hydromulch was applied to the cleared areas within the YRE, in addition to dust suppression activities undertaken by water carts.</p> <p>No visible risen dust was present at the time of the site visit,</p>	<p>D001_Lend Lease 01/2020 CEMP Compliance checklist</p> <p>D002_Lend Lease 09/2020 CEMP Compliance checklist</p> <p>D005_Georgiou Georgiou HSE Management Plan</p> <p>P0050_PTA20 Alkimos Hydromulch</p>
CEMP 21		Water carts will be used in conjunction with earth moving activities and as required based on prevailing weather conditions at the time of construction works.	During construction	C	Refer to CEMP 20.	<p>D004_Georgiou Georgiou Alkimos Site Induction</p> <p>D001_Lend Lease 01/2020 CEMP Compliance checklist</p> <p>D002_Lend Lease 09/2020 CEMP Compliance checklist</p> <p>D005_Georgiou Georgiou HSE Management Plan</p> <p>P0051_PTA21 Dust suppression</p>



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Table B1: Conformance with the Construction Environmental Management Plan (continued)

Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
<b>5.1 Monitoring program</b>						
CEMP 22	To protect CBC nesting habitat.	Integrity of PRR fencing, signage and other access restrictions/deterrents.	Fortnightly for the first six months following commencement of clearing and then quarterly thereafter during construction	C	As per the 2019 audit - monitoring of PRR fencing, signage and other access deterrents is required to be undertaken quarterly during construction. Tranen advised that PRR fencing and signage was monitored opportunistically during the audit period during Tranen's site inspections, which were undertaken more frequently than the quarterly requirement. Georgiou also undertook site inspections, which included examinations of the fences.  Tranen noted on 12 March 2020 that the fence had been breached and unauthorised 4WD and motorcycle access had occurred, however no major damage was noted. The fence was fixed on 17 March 2020.  PTA undertook regular monitoring to ensure fencing was being maintained as part of the YRE construction works.	D001_Lend Lease 01/2020 CEMP Compliance checklist D002_Lend Lease 09/2020 CEMP Compliance checklist R009_Tranen Tranen PAR Sept 2019 - June 2020 R0014_Tranen Tranen PAR June 2020 - Sept 2020 D0024_PTA Yanchep Rail Extension - Environmental Inspections
CEMP 23		Approved clearing boundaries.	Fortnightly during clearing, or as otherwise required by regulatory authorities as part of construction site inspections	C	No clearing for residential development occurred during the audit period.  All clearing areas within the YRE are managed under a Ground Disturbance Permit. Prior to clearing, boundaries are checked by an independent surveyor and PTA Environmental personnel. Post-clearing inspections are conducted after clearing.	E005_Cossill & Webley_Cossills email 3-09-2020 D0023_PTA Yanchep Rail Extension - Stage 1 Clearing Boundary D0029_PTA EPBC Annual Compliance Audit Matrix
CEMP 24		Total area cleared.	Annually during construction after clearing has commenced	C	No clearing for residential development occurred during the audit period.  PTA maintained a record of all clearing that occurred during the audit period, which was submitted to Lendlease as part of the 2020 ACR.	E005_Cossill & Webley_Cossills email 3-09-2020 D0023_PTA Yanchep Rail Extension - Stage 1 Clearing Boundary D0029_PTA EPBC Annual Compliance Audit Matrix
CEMP 25		Evidence of unauthorised access within the PRR, e.g. observations of unauthorised vehicles or machinery, damage to fencing.	Opportunistically during other PRR inspections	C	Opportunistic visual inspections are undertaken by Tranen and if unauthorised access is identified, Tranen will notify Lendlease and it will be acted on accordingly. Tranen noted on 12 March 2020 that the fence had been breached and unauthorised 4WD and motorcycle access had occurred, however no major damage was noted. The fence was fixed on 17 March 2020.  PTA advised an incident with a stolen loader in June 2020, however this did not impact the PRR.	R009_Tranen Tranen PAR Sept 2019 - June 2020 R0014_Tranen Tranen PAR June 2020 - Sept 2020 E0024_PTA_Alkimos incident notification
CEMP 26		CBC activity / presence within nesting hollows.	Bi-annually (prior to and on completion of the CBC breeding season [July to December])	C	Site visits undertaken by Emerge on 21 November 2019 and 26 May 2020 confirmed that there was no CBC activity or presence within the site.	L001_Emerge Associates Emerge Cockatoo monitoring 1-2020 Emerge Cockatoo monitoring 6/2020 E009_Emerge Associates_Emerge May 2020 Email
CEMP 27		CBC activity / presence within nesting hollows.	Within seven days of the commencement of clearing where clearing of trees with nesting hollows is proposed	C	Refer to CEMP 26.	Refer to CEMP 26.
CEMP 28	To protect CBCs.	Record CBC injury/deaths occurring on site.	Opportunistically	C	The procedure to record CBC injury and death is part of inspection checklists (all fauna species).  There were no CBC injuries or deaths recorded during the audit period.	D001_Lend Lease 01/2020 CEMP Compliance checklist D002_Lend Lease 09/2020 CEMP Compliance checklist D0024_PTA Yanchep Rail Extension - Environmental Inspections

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Table B1: Conformance with the Construction Environmental Management Plan (continued)

Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
<b>5.1 Monitoring program</b>						
CEMP 29		Visual observations of erosion.	Opportunistically during construction	C	Georgiou's environmental checklist indicate that erosion and sediment control are acceptable as currently applied within the site.  Erosion within the YRE development area is monitored by the site supervisor. One area of scouring from rainfall was identified during the audit period, which was repaired within the audit period.	D001_Lend Lease 01/2020 CEMP Compliance checklist D002_Lend Lease 09/2020 CEMP Compliance checklist D0029_PTA EPBC Annual Compliance Audit Matrix P0052_NWA07 Scouring due to rainfall P0053_NWA08 Scouring Repair
CEMP 30		Visual observations of dust generation.	Opportunistically during construction	C	Dust monitoring reports indicated that dust was not an issue on site during the audit period.  Visual observations of dust are undertaken opportunistically during construction and as part of the Georgiou environmental checklists.  Dust management within the YRE development area is monitored by the site supervisor and reported on in the environmental checklist. No dust management issues were identified during the audit period.	D001_Lend Lease 01/2020 CEMP Compliance checklist D002_Lend Lease 09/2020 CEMP Compliance checklist R004_Georgiou Dust monitoring 1-7 June 2020 R005_Georgiou Dust monitoring 4-10 May 2020 R006_Georgiou Dust monitoring 4-10 Septemeber 2020 R007_Georgiou Dust monitoring 11-17 May 2020 D0024_PTA Yanchep Rail Extension - Environmental Inspections
CEMP 31		Dust suppression equipment / actions.	Opportunistically during construction	C	Dust monitoring reports indicated that dust was not an issue on site during the audit period.  Dust suppression was undertaken within the site during the audit period, with water carts seen on site during the site visit.  Dust management within the YRE development area is monitored by the site supervisor and reported on in the environmental checklist. No dust management issues were identified during the audit period.	D001_Lend Lease 01/2020 CEMP Compliance checklist D002_Lend Lease 09/2020 CEMP Compliance checklist R004_Georgiou Dust monitoring 1-7 June 2020 R005_Georgiou Dust monitoring 4-10 May 2020 R006_Georgiou Dust monitoring 4-10 Septemeber 2020 R007_Georgiou Dust monitoring 11-17 May 2020 D0024_PTA Yanchep Rail Extension - Environmental Inspections
CEMP 32		Visual observation of vegetation health.	Monthly during construction	C	Vegetation health was assessed as part of the compliance checklists prepared by Georgiou and PTA. No issues with vegetation health were identified outside of clearing areas.	D001_Lend Lease 01/2020 CEMP Compliance checklist D002_Lend Lease 09/2020 CEMP Compliance checklist D0024_PTA Yanchep Rail Extension - Environmental Inspections
CEMP 33		Complaints register.	Opportunistically during construction	C	A complaints register has been maintained during the audit period with no complaints received since March 2019.	D003_Georgiou Alkimos Complaint Register
CEMP 34	To delineate and protect retained vegetation.	Total area cleared. Clearing register.	Annually during construction after clearing has commenced	C	No clearing for residential development occurred during the audit period.  Clearing of approximately 40 ha of vegetation was removed during the audit period within the YRE footprint, including a total of 6 ha of CBC habitat.	E005_Cossill & Webley_Cossills email 3-09-2020 D0020_PTA Yanchep Rail Extension (Part 1) - Clearing within EPBC 2015/7561 D0030_Roberts Day CBC Habitat and Proposed Clearing Map
CEMP 35		Vegetation health monitoring as described in the PRRMP.	As described in the PRRMP	C	Methodology includes pest observations, weed density and general observations in relation to rehabilitation success.	R0010_Tranen Tranen PRR Rehab Autumn 2020 monitoring

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Table B1: Conformance with the Construction Environmental Management Plan (continued)

Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
<b>5.1 Monitoring program</b>						
CEMP 36		Hygiene register.	As required, during clearing and construction	C	Plant/equipment compliance checks are completed on arrival at site, as communicated in the site-specific induction.  Hygiene registers are maintained by Georgiou, PTA and NEWest as part of construction within the site.	D004_Georgiou Georgiou Alkimos Site Induction D0021_PTA Yanchep Rail Extension Environmental Induction D0022_NEWest Alliance Yanchep Rail Extension Environmental Induction D006_Georgiou PCC 533 (Plant Compliance Checklist) D007_Georgiou PCC 685 (Plant Compliance Checklist) D0025_PTA Equipment Hygiene Inspection Certificates D0026_NEWest Alliance Equipment Hygiene Inspection Certificates
CEMP 37		Dieback infested areas mapped.	Prior to commencement of clearing	C	Dieback was assessed prior to the initial clearing occurred, as detailed in the 2019 ACR. No dieback was recorded during the initial surveys.  As part of the clearing associated with the YRE, a dieback survey was undertaken by Glevan Consulting on behalf of the PTA. No dieback was recorded within the site.	R003_Strategen 2019 ACR R0019_Glevan Consulting PTA16 Dieback Assessment Survey
<b>7.2 Compliance reporting</b>						
CEMP 38	CEMP and technical review and adaptive management	CEMP review shall be initiated: <ul style="list-style-type: none"> <li>following significant incidents</li> <li>where monitoring indicates that performance is not being achieved against KPIs</li> <li>periodically every 12 months.</li> </ul>	As required/every 12 months	C	Lendlease advised that there were no significant incidents or performance issues against KPIs that triggered the review of the CEMP and that annual reviews are undertaken as part of the compliance audit process.  The CEMP was revised in November 2019 following the results of the 2018 audit, with the updated CEMP applicable to this audit period.	R001_Strategen Alkimos City Centre and Central CEMP (Rev 4 CEMP 2019)
CEMP 39		Technical review of and evaluation of the monitoring program will be undertaken annually as part of the CEMP to ensure monitoring parameters, timing, location and outputs are addressing all key risk areas and management plan objectives adequately. The review will be undertaken by Lendlease and the Environmental Consultant with advice from technical specialists as appropriate (e.g. Dieback, vegetation and fauna specialists).	Annually	C	Refer to CEMP 38.	
CEMP 40		To ensure uncertainty is reduced over time, and that plan outcomes/performance indicators are achieved, the following will be evaluated during review stages and incorporated into revisions of the CEMP: <ul style="list-style-type: none"> <li>new and relevant data/information gained as a result of implementing the plan or from external sources (e.g. academic literature, EPBC Act policy statements)</li> <li>effectiveness of CEMP coordination, scheduling, monitoring, risk management, auditing and reporting activities</li> <li>risks, including in response to the risk level, changing circumstances or the results from implementing corrective actions</li> <li>effectiveness of management measures with significant levels of uncertainty, relatively long implementation timeframes, and upon which the plan is highly dependent consequences of significant environmental incidents.</li> </ul>	Annually	C	Refer to CEMP 38.	



# Appendix C

Conformance with the Parks and Recreation Reserve Management Plan





## 2020 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



Table C1: Conformance with the Parks and Recreation Reserve Management Plan

Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
<b>4.1 Implementation</b>						
PRRMP 1		Management of the habitat in the retained vegetation area is proposed to be the responsibility of the WAPC.	At handover	C	As outlined in the 2019 ACR, ownership of the PRR area has been transferred to the Western Australian Planning Commission. Lendlease continue to manage retained vegetation until such time it is handed over to the City of Wanneroo.	R003_Strategen 2019 ACR D009_Landgate Landgate Certificate of Title
<b>4.2 Delineation of areas to be retained</b>						
PRRMP 2	Management measures for delineating retention areas.	Delineate areas of PRR along clearing boundaries through the installation of survey pegs and/or temporary fencing along the entire stage boundary.	Prior to clearing (each stage where adjacent to PRR)	C	No clearing for residential development occurred during the audit period. As per the 2019 ACR, fencing was installed around the PRR adjacent to the clearing areas and surrounding stage boundaries.  As clearing was undertaken for the YRE, star pickets and flagging were installed until permanent fencing was installed surrounding the PRR, adjacent to the areas of works.  The PRR was observed to be fenced with permanent fencing at the time of the audit site visit. Fencing is checked by both Georgiou and PTA as part of their regular monitoring checks.	R003_Strategen 2019 ACR E005_Cossill & Webley_Cossills email 3-09-2020 P0054_PTA25 Alkimos PRR Flagging P0055_PTA09 Fence Installation D001_Lend Lease 01/2020 CEMP Compliance checklist D002_Lend Lease 09/2020 CEMP Compliance checklist D0024_PTA Yanchep Rail Extension - Environmental Inspections D0029_PTA EPBC Annual Compliance Audit Matrix
PRRMP 3		Install permanent fencing to delineate PRR.	Prior to the commencement of work on site, where site works are adjacent (up to 50 m) of the PRR	C	As outlined in 2019 ACR, a 1.8 m high perimeter chain mesh fence with rabbit skirt and a pair of gates was erected around the rehabilitation area within the PRR. Fencing was installed around the PRR adjacent to the clearing areas and surrounding stage boundaries in the previous audit period.  Permanent fencing was installed surrounding the PRR, adjacent to the areas of clearing works within the YRE.  These areas of fencing were observed at the time of the site visit.	R003_Strategen 2019 ACR R0013_Tranen 2019 Tranen Alkimos Vista Post Activity Report 27-03-2019 P0055_PTA09 Fence Installation
PRRMP 4		Restrict access to unwanted tracks in PRR areas through the installation of appropriate fencing or barriers.	During construction	C	As per the above, fencing has been installed to prevent unauthorised access within the PRR. Tranen opportunistically monitor the fencing and provide reports of any issues to Lendlease where required. Two fence breaches were reported by Tranen during this period (12 March 2020 and 26 May 2020). Tranen repaired the fence both times.  No reports of fence breaches were made by the PTA as part of their regular inspections.	R009_Tranen Tranen PAR Sept 2019 - June 2020 R0014_Tranen Tranen PAR June 2020 - Sept 2020 D0024_PTA Yanchep Rail Extension - Environmental Inspections
PRRMP 5		Provide GPS co-ordinates of areas approved to be cleared and those required to be retained to the contractor to ensure no unapproved clearing is undertaken.	During construction	C	No clearing for residential development occurred during the audit period.  The clearing boundary was provided to the clearing contractor undertaking the PTA works.	E005_Cossill & Webley_Cossills email 3-09-2020 E0022_PTA_PTA08 Transmittal to Clearing Contractor
PRRMP 6		Install appropriate temporary signage to restrict unauthorised access to the PRR.	Pre and during construction	C	As per the 2019 ACR, appropriate fencing of the PRR areas adjacent to cleared areas have been installed. No unauthorised access is currently available to the PRR, and so no signage has been installed.  Temporary signage was installed by PTA adjacent to areas of clearing prior to the installation of permanent fencing. All PTA personnel working in the PRR signed on to the Ground Disturbance Permit with a map of no-go areas delineated.	D0010_Emerge Associates 0108_001 (Site Audit Notes) P0056_PTA11 Temporary Signage D0027_PTA Alkimos PRR Ground Disturbance Permit Application D0028_PTA Alkimos Stockpile Ground Disturbance Permit Application

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Alkimos Vista and Alkimos Central



Table C1: Conformance with the Parks and Recreation Reserve Management Plan (continued)

Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
<b>4.2 Delineation of areas to be retained</b>						
PRRMP 7		Install permanent signage to encourage public education and awareness on: <ul style="list-style-type: none"> <li>• where to access the PRR if applicable</li> <li>• the importance of retained bushland</li> <li>• the detrimental effects of rubbish, weeds and pathogens on biodiversity</li> <li>• the importance of keeping to the designated walking tracks.</li> </ul>	During and post-construction up until handover	N/A	As per the 2019 ACR, permanent public education signage was not installed during the audit period as there is no public access available to the PRR yet.	N/A
<b>4.3 Protection of retained vegetation</b>						
PRRMP 8	Tenure and zoning	Vegetation to be retained is protected in perpetuity and vested with WAPC and reserved as conservation to be managed by CoW or Parks and Wildlife.	Lendlease will continue to be responsible for implementation of this PRRMP as the EPBC Act approval holder.	C	As outlined in the 2019 ACR, ownership of the PRR area has been transferred to the Western Australian Planning Commission. Lendlease continue to manage retained vegetation until such time it is handed over to the City of Wanneroo.	R003_Strategen 2019 ACR D009_Landgate Landgate Certificate of Title
<b>4.4 Rehabilitation of PRR</b>						
PRRMP 9	Contractor engagement	Appoint an experienced revegetation contractor(s) to undertake seed collection, weed control and other site preparation, and direct seeding/seedling planting.	Prior to the seed collection season (approximately October–April) before clearing commences	C	As per the 2019 ACR, Tranen have been appointed to undertake ongoing revegetation and weed management within the reserve. Tranen have been undertaking regular weed monitoring and removal during the audit period, and undertook seedling planting on 27 – 28 June 2020 and 1 and 3 July 2020.	R003_Strategen 2019 ACR R009_Tranen Tranen PAR Sept 2019 - June 2020 R0014_Tranen Tranen PAR June 2020 - Sept 2020
PRRMP 10		Appoint an experienced pest control contractor to undertake measures to control pest fauna (i.e. grazing fauna such as rabbits), based on monitoring results.	Prior to commencement of planting	C	As per 2019 ACR, Tranen on behalf of Lendlease engaged Alpha Pests to undertake a pest inspection 1 May 2019 (prior to clearing).  Kangaroos were observed by Tranen during their opportunistic monitoring during the audit period. These were managed through herding and a one-way kangaroo gate.	R003_Strategen 2019 ACR R009_Tranen Tranen PAR Sept 2019 - June 2020
PRRMP 11		Appoint a suitably qualified dieback consultant to undertake baseline dieback assessment of the PRR.	Prior to the commencement of work on site, where site works are adjacent (up to 50 m) of the PRR	C	No clearing for residential development occurred during the audit period. Dieback was assessed prior to the initial clearing occurred, as detailed in the 2019 ACR.  As part of the clearing associated with the YRE, a dieback survey was undertaken by Glevan Consulting on behalf of the PTA. No dieback was recorded within the site.	R003_Strategen 2019 ACR E005_Cossill & Webley_Cossills email 3-09-2020 R0019_Glevan Consulting PTA16 Dieback Assessment Survey
PRRMP 12		Induct all personnel working on site in relation to the following: <ul style="list-style-type: none"> <li>• restricted and/or 'no-go' areas, including the PRR and other areas of protected vegetation identified on site</li> <li>• key requirements of the PRRMP (including measures to protect CBC, hygiene measures etc)</li> <li>• key requirements of the Construction Environmental Management Plan (CEMP) relevant to the protection of the PRR.</li> </ul>	Prior to commencing work on site	C	Prior to personnel working on site, a site-specific induction is undertaken. The induction includes key requirements of the PRRMP and CEMP and any access restrictions/prohibited areas on site.  Georgiou maintain an induction register, for all employees and subcontractors. This register records the date that the online induction was undertaken, and whether training needs to be refreshed, or if tickets/compliances have expired.  Two separate environmental inductions are undertaken for workers involved with the Yanchep Rail Extension project that is located within the site, one for the NEWest Alliance who are constructing the project, in addition to the Public Transport Authority (PTA) who are managing the project.	D0031_Georgiou Georgiou Induction Register D004_Georgiou Georgiou Alkimos Site Induction D0021_PTA Yanchep Rail Extension Environmental Induction D0022_NEWest Alliance Yanchep Rail Extension Environmental Induction D001_Lend Lease 01/2020 CEMP Compliance checklist D002_Lend Lease 09/2020 CEMP Compliance checklist E0025_Georgiou Induction compliance report details



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Table C1: Conformance with the Parks and Recreation Reserve Management Plan (continued)

Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
<b>4.4 Rehabilitation of PRR</b>						
PRRMP 13	Baseline assessment	Establish three permanent baseline vegetation monitoring quadrats as described in Table 11.	Prior to rehabilitation works (refer to Table 11)	C	As discussed in the 2019 ACR, this was assessed as Potentially non-conformant as the monitoring quadrats were yet to be established. The monitoring quadrats were established during this audit period, and the first round of monitoring was completed in October 2019 and March 2020. The project is therefore considered to now be conformant with this condition.  The first round of spring monitoring commenced in spring 2020, with final results yet to be published at the time of the audit review.	R0010_Tranen Tranen PRR Rehab Autumn 2020 monitoring D0011_Emerge Associates 0109_001 (Site Audit Notes)
PRRMP 14	Weed and pathogen control	Undertake weed control at least twice within PRR rehabilitation areas.	Prior to direct seeding / seedling planting and/ or commencement of rehabilitation activities	C	As per the 2019 ACR, Tranen have been appointed to undertake weed management within the reserve. Tranen have been undertaking regular weed monitoring and removal during the audit period, with at least 15 separate days of weed control undertaken.	R003_Strategen 2019 ACR R009_Tranen Tranen PAR Sept 2019 - June 2020 R0014_Tranen Tranen PAR June 2020 - Sept 2020
PRRMP 15		Weed control methods to be in accordance with industry standards (e.g. RIAWA, DBCA standards).	During weed control	C	Tranen is a member of the Revegetation Industry Association of WA (RIAWA) and advised they apply these standards during weed control activities.	R003_Strategen 2019 ACR
PRRMP 16		Control methods for any weeds listed as Declared Pests to be undertaken in accordance with guidelines of the Department of Agriculture and Food WA.	During weed control	N/A	No declared weed pest species have been recorded within the PRR areas.	D0011_Emerge Associates 0109_001 (Site Audit Notes)
PRRMP 17		Undertake ongoing maintenance weed control.	Biannually for five years from the initial planting completion date, or as advised by rehabilitation contractor	C	As per the 2019 ACR, Tranen have been appointed to undertake weed management within the reserve. Tranen have been undertaking regular weed monitoring and removal during the audit period, with at least 15 separate days of weed control undertaken.	R003_Strategen 2019 ACR R009_Tranen Tranen PAR Sept 2019 - June 2020 R0014_Tranen Tranen PAR June 2020 - Sept 2020
PRRMP 18		Engage experienced dieback consultant to conduct baseline dieback survey of the rehabilitation areas.	Prior to rehabilitation works	CLD	As outlined in the 2019 ACR, Tranen engaged a dieback consultant to conduct a survey of the PRR area. Terratree undertook a dieback survey on 27 February 2019 across the entire PRR, which included rehabilitation areas.	R003_Strategen 2019 ACR R008_Terratree Terratree dieback survey
PRRMP 19		Conduct baseline dieback survey within PRR rehabilitation areas to establish any areas where dieback infestations currently occur.	Prior to rehabilitation works	CLD	Refer to PRRMP 18.	Refer to PRRMP 18.
PRRMP 20		If vehicles are required to enter PRR rehabilitation areas, all vehicles, machinery and equipment will be free of mud and soil prior to entering retained vegetation to prevent introduction and spread of weeds and pathogens.	During construction and rehabilitation works	C	The Georgiou site induction specifically mentions that Georgiou staff are not to enter the PRR.  PTA and NEWest staff entered the PRR to undertake clearing to support the construction of the YRE. All vehicles were subject to cleaning prior to entering the site, as per the hygiene inspection certificates, and were inspected for any material prior to entering the PRR.  Revegetation activities are currently undertaken on foot, and no subcontractors' vehicles are entering the site as part of these works. Tranen have advised that if their vehicles enter the PRR, these vehicles are washed done prior to entering the PRR.	D004_Georgiou Georgiou Alkimos Site Induction D0025_PTA Equipment Hygiene Inspection Certificates D0026_NEWest Alliance Equipment Hygiene Inspection Certificates D0027_PTA Alkimos PRR Ground Disturbance Permit Application D0028_PTA Alkimos Stockpile Ground Disturbance Permit Application R0010_Tranen Tranen PRR Rehab Autumn 2020 monitoring

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Table C1: Conformance with the Parks and Recreation Reserve Management Plan (continued)

Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
<b>4.4 Rehabilitation of PRR</b>						
PRRMP 21		Ensure that records of vehicles, equipment and equipment hygiene are kept throughout the project.	During construction and rehabilitation works.	C	Plant/equipment compliance checks are completed on arrival at site, as communicated in the Georgiou, PTA and NEWest inductions.  Plant compliance checklists for Georgiou, PTA and NEWest include a clean on entry inspection.	D004_Georgiou Georgiou Alkimos Site Induction D0021_PTA Yanchep Rail Extension Environmental Induction D0022_NEWest Alliance Yanchep Rail Extension Environmental Induction D006_Georgiou PCC 533 (Plant Compliance Checklist) D007_Georgiou PCC 685 (Plant Compliance Checklist) D0025_PTA Equipment Hygiene Inspection Certificates D0026_NEWest Alliance Equipment Hygiene Inspection Certificates
PRRMP 22		Ensure any materials (soil, mulch etc) brought into PRR rehabilitation areas is certified dieback free.	During rehabilitation works	C	Tranen have advised that seedlings were procured from Plantrite nursery which is NIASA certified. No other materials were brought into the PRR rehabilitation areas.	E0020_Lendlease_EPBC audit 2020 Tranen monitoring further evidence D0019_Greenlife Industry Australia Certificate of Accreditation Plantrite
PRRMP 23	Pest control	Conduct pest control in PRR, based on monitoring detecting significant pest presence.	Ongoing as required	C	Pest monitoring undertaken in the PRR area as part of the ongoing Tranen PRR monitoring. Kangaroos were observed during the reporting period. These were managed through herding and a one-way kangaroo gate, with no kangaroos reported within the rehabilitation area since 16 June 2020.	R009_Tranen Tranen PAR Sept 2019 - June 2020
PRRMP 24	Seed collection	Compile list of appropriate species to be planted in rehabilitation areas based on flora and vegetation surveys and baseline assessment.	Prior to seed collection	CLD	This was assessed as compliant in the 2019 ACR and is now complete.	R003_Strategen 2019 ACR
PRRMP 25		Collect seed from 50 ha of CBC habitat within the Project area, targeting any suitable CBC foraging species that pertain to the vegetation types within the rehabilitation area.	October to April	C	As outlined in the 2019 ACR, seed collection was undertaken within the entire PRR area between 28 December 2018 and 13 March 2019. Tranen confirm that the collection covered 50 ha of CBC habitat in their Autumn 2020 Monitoring Report for the rehabilitation area.	R003_Strategen 2019 ACR R0010_Tranen Tranen PRR Rehab Autumn 2020 monitoring
PRRMP 26		If sufficient seed is not available from within the Project Area, additional collection areas within 50 km of the Project Area will be sourced.	December to March prior to seeding	N/A	Tranen advised that no seed collection occurred during the audit period.	D0011_Emerge Associates 0109_001 (Site Audit Notes) R009_Tranen Tranen PAR Sept 2019 - June 2020 R0014_Tranen Tranen PAR June 2020 - Sept 2020
PRRMP 27		Appropriate licences to be obtained from DBCA for seed collection.	Prior to seed collection	N/A	Refer to PRRMP 26.	Refer to PRRMP 26.
PRRMP 28	Seedling planting	Determine areas suitable for rehabilitation.	Prior to seedling planting	C	As per the 2019 ACR, areas for rehabilitation were selected by Tranen in consultation with Lendlease and Strategen-JBS&G.	R003_Strategen 2019 ACR
PRRMP 29		Propagate seedlings from seed collected from Project Area.	September to May following seed collection	C	As per the 2019 ACR, Tranen advised that propagation of seedlings was undertaken by Plantrite nursery, following seed collection. Seeds were appropriately treated to promote germination and bulked up with clean washed sand to facilitate distribution.	R003_Strategen 2019 ACR
PRRMP 30		Undertake seedling planting including an initial seed/seedling mix of: • at least 15 species • two primary CBC feeding species • a mix of overstorey and mid/understorey species as appropriate.	During seedling planting	C	As outlined in the 2019 ACR, seedling planting was undertaken between 12 - 23 July 2019 and involved planting of over 50,432 seedlings. Of the seedlings planted: • there were 36 species • six are primary CBC feeding species • there is a mix of overstorey and mid/understorey species.	R003_Strategen 2019 ACR
PRRMP 31		Protect seedlings with tree guards if required or apply other suitable measures, i.e. perimeter exclusion fencing and baiting etc.	During seedling planting	C	As outlined in the 2019 ACR, tree guards were not considered to be required. Fencing measures around the perimeter of the site are considered appropriate for pest control, including rabbit skirting around the base of fences around the rehabilitation area.	R003_Strategen 2019 ACR D0011_Emerge Associates 0109_001 (Site Audit Notes)

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Table C1: Conformance with the Parks and Recreation Reserve Management Plan (continued)

Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
<b>4.4 Rehabilitation of PRR</b>						
PRRMP 32		Ensure all plants used in rehabilitation are suitable as foraging, breeding or roosting habitat for Carnaby's black-cockatoo as listed by Groom (2011; Appendix 1) or other species suitable for the vegetation types being rehabilitated within PRR areas.	During rehabilitation	C	As outlined in the 2019 ACR, plants used in the rehabilitation were considered appropriate for the PRR and included plants known to be primary feeding species for CBC.	R003_Strategen 2019 ACR R0010_Tranen Tranen PRR Rehab Autumn 2020 monitoring
PRRMP 33		Procure seedlings of suitable provenance to conduct top-up planting in any areas not meeting density of 1.6 plants/m <sup>2</sup> .	When monitoring indicates a density of 1.6 plants/m <sup>2</sup> has not been met	N/A	The Tranen Autumn 2020 monitoring indicated that overall, the average stem density target of 1.6 plants/m <sup>2</sup> is met within the PRR. However, it is not met within quadrats 2 and 3.  Future seeds will be sourced from within 50 km as outlined in the Tranen Autumn monitoring report for areas that require further planting.	R0010_Tranen Tranen PRR Rehab Autumn 2020 monitoring
PRRMP 34	Direct seeding	Determine whether any areas are suitable for direct seeding.	Prior to seeding	CLD	As outlined in the 2019 ACR, direct seeding occurred in June 2019 in areas identified as suitable by Tranen.	R003_Strategen 2019 ACR R0013_Tranen 2019 Tranen Alkimos Vista Post Activity Report 27/03/2019
PRRMP 35		Determine seed mix based on target vegetation type, seed availability and planned seedling program.	Prior to seeding	CLD	As outlined in the 2019 ACR, the seed mix was appropriately selected by Tranen based on target vegetation type, seed availability and planned seedling program.	R003_Strategen 2019 ACR R0013_Tranen 2019 Tranen Alkimos Vista Post Activity Report 27/03/2019
PRRMP 36		Treat seed to break dormancy factors, as appropriate for species.	Prior to seeding	CLD	As outlined in the 2019 ACR, seed was appropriately treated to promote germination.	R003_Strategen 2019 ACR R0013_Tranen 2019 Tranen Alkimos Vista Post Activity Report 27/03/2019
PRRMP 37		Prepare soil with any methods necessary to increase germination success (e.g. scarification), as required.	Prior to seeding	CLD	As outlined in the 2019 ACR, appropriate surface preparation was undertaken.	R003_Strategen 2019 ACR R0013_Tranen 2019 Tranen Alkimos Vista Post Activity Report 27/03/2019
PRRMP 38		Place mulch or brushing where appropriate to increase success of revegetation, in any areas subject to erosion.	Prior to seeding	C	No records of erosion have been recorded within the PRR rehabilitation area during the audit period.	R009_Tranen Tranen PAR Sept 2019 - June 2020 R0014_Tranen Tranen PAR June 2020 - Sept 2020
PRRMP 39		Undertake direct seeding based on seed mix, in consideration of target vegetation type, seed availability and planned seedling program.	During seeding	CLD	See PRRMP 34 and 35	See PRRMP 34 and 35
<b>4.5 Retention and management of Carnaby's Black Cockatoo nesting habitat</b>						
PRRMP 40	Management measure for retention and management of black cockatoo nesting habitat.	Identify and mark trees with hollows to be removed and relocated to PRR areas.	Prior to clearing of Project Area	N/A	No clearing for residential development occurred during the audit period. As per the 2019 ACR, this was completed for Precinct 1.  No trees with hollows were identified within the YRE area.	R003_Strategen 2019 ACR E005_Cossill & Webley_Cossills email 3-09-2020 D0027_PTA Alkimos PRR Ground Disturbance Permit Application D0028_PTA Alkimos Stockpile Ground Disturbance Permit Application
PRRMP 41		Remove hollows from trees identified as having hollows suitable for relocation.	Prior to clearing of Project Area	N/A	Refer to PRRMP 40	REFER to PRRMP 40
PRRMP 43		Engage contractor to undertake hollow construction and installation works.	During rehabilitation works	CLD	Hollows were installed as required in 2019 and therefore this action is complete.	E002_Emerge Associates_Emerge Cockatoo monitoring 6-2020 E0017_Emerge Associates_2020 Alkimos nest box maintenance Emerge L001_Emerge Associates Emerge Cockatoo monitoring 1-2020
PRRMP 44		Install relocated natural hollows and artificial nesting boxes within PRR areas in accordance with requirements outlined in Groom (2010; Appendix 1).	During rehabilitation works	CLD	As outlined in the 2019 ACR, a total of 12 artificial nesting boxes were installed between 9 - 10 September 2019 within the PRR.	R003_Strategen 2019 ACR

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Table C1: Conformance with the Parks and Recreation Reserve Management Plan (continued)

Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
<b>4.5 Retention and management of Carnaby's Black Cockatoo nesting habitat</b>						
PRRMP 45		Where necessary, hollows will be repaired, cleared of bee colonies and any other actions to ensure condition is maintained.	When monitoring indicates hollows are damaged or otherwise unviable for use by CBC	C	During the monitoring undertaken by Emerge Associates, it was noted that one of the sacrificial chewing posts was not present, which was rectified on 23 June 2020, during the audit period. Hollows were observed to be in a generally good condition.	E002_Emerge Associates_Emerge Cockatoo monitoring 6-2020 E0017_Emerge Associates_2020 Alkimos nest box maintenance Emerge L001_Emerge Associates_Emerge Cockatoo monitoring 1-2020
PRRMP 46		Hollows will be inspected prior to and upon completion of the CBC breeding season for condition and evidence of black cockatoo usage.	Bi-annually (prior to and on completion of the CBC breeding season [July to December])	C	Hollows were inspected twice during the audit period by Emerge Associates in November 2019 and May 2020. The initial inspection (November 2019) was conducted prior to the end of the breeding season.  Future inspections will occur following the completion of the breeding season (post December).	E002_Emerge Associates_Emerge Cockatoo monitoring 6-2020 E0017_Emerge Associates_2020 Alkimos nest box maintenance Emerge
<b>5.1 Monitoring Program</b>						
PRRMP 47	To delineate retained vegetation	Condition of fencing to delineate the area of retained vegetation, and barriers used to block unwanted access tracks.	Fortnightly for the first 6 months following commencement of clearing and then quarterly thereafter during construction	C	As per the 2019 audit - monitoring of PRR fencing, signage and other access deterrents is required to be undertaken quarterly during construction. Tranen advised that PRR fencing and signage was monitored opportunistically during the audit period during Tranen's site inspections, which were undertaken more frequently than the quarterly requirement. Georgiou also undertook site inspections, which included examinations of the fences.  PTA undertook regular monitoring to ensure fencing was being maintained as part of the YRE construction works.	D001_Lend Lease 01/2020 CEMP Compliance checklist D002_Lend Lease 09/2020 CEMP Compliance checklist R009_Tranen Tranen PAR Sept 2019 - June 2020 R0014_Tranen Tranen PAR June 2020 - Sept 2020 D0024_PTA Yanchep Rail Extension - Environmental Inspections
PRRMP 48		Approved clearing boundaries.	Fortnightly during clearing, or as otherwise required by regulatory authorities as part of construction site inspections	C	No clearing for residential development occurred during the audit period.  The clearing boundary was provided to the clearing contractor undertaking the PTA works.	E005_Cossill & Webley_Cossills email 3-09-2020 E0022_PTA_PTA08 Transmittal to Clearing Contractor
PRRMP 49		Total area cleared.	Annually during construction after clearing has commenced	C	No clearing for residential development occurred during the audit period.  Clearing of approximately 40 ha of vegetation was removed during the audit period within the YRE footprint, including a total of 6 ha of CBC habitat.	E005_Cossill & Webley_Cossills email 3-09-2020 D0020_PTA Yanchep Rail Extension (Part 1) - Clearing within EPBC 2015/7561 D0030_Roberts Day CBC Habitat and Proposed Clearing Map
PRRMP 50		Evidence of unauthorised access within the PRR, e.g. observations of unauthorised vehicles or machinery, damage to fencing.	Opportunistically during other PRR inspections	C	Opportunistic visual inspections are undertaken by Tranen and if unauthorised access is identified, Tranen will notify Lendlease and it will be acted on accordingly. Tranen noted on 12 March 2020 that the fence had been breached and unauthorised 4WD and motorcycle access had occurred, however no major damage was noted. The fence was fixed on 17 March 2020.  PTA advised an incident with a stolen loader in June 2020, however this did not impact the PRR.	R009_Tranen Tranen PAR Sept 2019 - June 2020 R0014_Tranen Tranen PAR June 2020 - Sept 2020 E0024_PTA_Alkimos incident notification
PRRMP 51		Integrity of PRR fencing, signage and other access restrictions/deterrents.	Fortnightly for the first 6 months following commencement of clearing and then quarterly thereafter during construction	C	Refer to PRRMP 47	Refer to RPPMP 47
PRRMP 52	To protect retained vegetation	Status of retained vegetation.	At handover to CoW or DBCA	N/A	Not required at this stage.	N/A

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Table C1: Conformance with the Parks and Recreation Reserve Management Plan (continued)

Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
<b>5.1 Monitoring program</b>						
PRRMP 53		Establish three baseline vegetation monitoring quadrats within remnant native vegetation of the same vegetation type as rehabilitation areas to determine: <ul style="list-style-type: none"> <li>• native species composition of remnant native</li> <li>• vegetation within PRR areas to determine suitable species for use in rehabilitation</li> <li>• list of CBC foraging, roosting and nesting habitat species present within remnant native vegetation within PRR areas to determine suitable species for use in rehabilitation</li> <li>• baseline levels of weed infestation including list of weed species currently present within PRR areas</li> <li>• to inform general PRR condition monitoring.</li> </ul>	Prior to seed collection	C	Refer to PRRMP 13	Refer to PRRMP 13
PRRMP 53		Establish other permanent quadrats or transects as required to assist PRR condition monitoring and maintenance.	As required	C	Tranen have established three 10 x 10 m quadrats are established within the PRR, outside of the rehabilitation area. In addition, four 10 x 10 m quadrats were established within a 50 m strip inside the PRR but immediately south of a cleared area.	R0010_Tranen Tranen PRR Rehab Autumn 2020 monitoring
PRRMP 54		Vegetation health within 50 m adjacent to the construction area within the PRR including: <ul style="list-style-type: none"> <li>• weed density</li> <li>• significant plant pathogens</li> <li>• predation by significant pests</li> </ul>	Annually in spring following commencement of construction until handover to CoW or DBCA	C	Tranen have commenced vegetation health monitoring, with monitoring occurring in April, noting weed density, stem density and the presence of any predation/pathogens. This monitoring noted that weed control should continue, and no mention of predation/pathogens was made.  PTA have a separate Alkimos Parks and Recreation Reserve Environmental Management Plan to monitor vegetation health adjacent to their areas of clearing. Baseline monitoring has been carried out, with ongoing monitoring to occur.	R0010_Tranen Tranen PRR Rehab Autumn 2020 monitoring R0019_Metronet Alkimos Parks and Recreation Reserve Environmental Management Plan R0020_GHD Condition 8 Monitoring Baseline Assessment D0029_PTA EPBC Annual Compliance Audit Matrix
PRRMP 55	To rehabilitate PRR areas	Monitoring of seed collection records.	Annually, during planting/direct seeding	C	Tranen monitor the seed collection records as part of the ongoing management of the PRR area. The autumn monitoring reports that the seed bank only contains two species, however appropriate species can be sourced from within 50 km of the site as required.	R0010_Tranen Tranen PRR Rehab Autumn 2020 monitoring
PRRMP 56		Establish three baseline vegetation monitoring quadrats (10 m by 10 m) within remnant native vegetation of the same vegetation type as rehabilitation areas to determine: <ul style="list-style-type: none"> <li>• native species composition of remnant native</li> <li>• vegetation within PRR areas to determine suitable species for use in rehabilitation</li> <li>• list of CBC foraging, roosting and nesting habitat species present within remnant native vegetation within PRR areas to determine suitable species for use in rehabilitation</li> <li>• baseline levels of weed infestation including list of weed species currently present within PRR areas</li> <li>• to inform general PRR condition monitoring.</li> </ul>	Monitoring annually in spring following rehabilitation, for five years	C	Refer to PRRMP 13	Refer to PRRMP 13
PRRMP 57		Percentage cover of weed species within vegetation monitoring quadrats within the retained vegetation.	Monitoring annually in spring following rehabilitation, for five years	C	Tranen have commenced vegetation health monitoring, with monitoring occurring in April 2020, noting weed density, stem density and the presence of any predation/pathogens. This autumn monitoring noted that weed control should continue. No monitoring was carried out in spring 2019, as quadrats had not been established yet.  Initial monitoring has commenced in spring 2020, with final results yet to be published at the time of the audit review.	R0010_Tranen Tranen PRR Rehab Autumn 2020 monitoring D0011_Emerge Associates 0109_001 (Site Audit Notes)

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## C1: Conformance with the Parks and Recreation Reserve Management Plan (continued)

Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
<b>5.1 Monitoring program</b>						
PRRMP 58		Undertake monitoring of: <ul style="list-style-type: none"> <li>• overstorey and mid/understorey species (number and species types)</li> <li>• number of primary feeding species for CBC.</li> </ul>	Monitoring annually in spring following rehabilitation, for five years	C	Tranen have commenced vegetation health monitoring, with monitoring occurring in April, noting weed density, stem density and the presence of any predation/pathogens. This autumn monitoring noted that weed control should continue. No monitoring was carried out in spring 2019, as quadrats had not been established yet.  The first round of spring monitoring commenced in spring 2020, with final results yet to be published at the time of the audit review.	R0010_Tranen Tranen PRR Rehab Autumn 2020 monitoring  D0011_Emerge Associates 0109_001 (Site Audit Notes)
PRRMP 59	To retain and maintain CBC nesting habitat	Number of nesting hollows installed within the Project Area.	During hollow monitoring (bi- annually)	C	Refer to PRRMP 46	Refer to PRRMP 46
PRRMP 60		CBC presence within nesting hollows.	Bi-annually (prior to and on completion of the CBC breeding season [July to December])	C	Refer to PRRMP 46	Refer to PRRMP 46
PRRMP 61		Evidence of damage/deterioration, presence of bee colonies.	Monitor evidence of damage/deterioration, presence of bee colonies	C	Refer to PRRMP 46	Refer to PRRMP 46
<b>7.1 Review and audit</b>						
PRRMP 62	PRRMP and technical review and adaptive management	PRRMP review shall be initiated: <ul style="list-style-type: none"> <li>• following significant incidents</li> <li>• where monitoring indicates that performance is not being achieved against KPIs</li> <li>• periodically every 12 months.</li> </ul>	As required/every 12 months	C	Lendlease advised that there were no significant incidents or performance issues against KPIs that triggered the review of the PRRMP and that annual reviews are undertaken as part of the compliance audit process.  The PRRMP was revised in November 2019 following the results of the 2018 audit, with the updated PRRMP applicable to this audit period.	R002_Strategen Alkimos City Centre and Central PRRMP (Rev 4 PRRMP)
PRRMP 63		Technical review of and evaluation of the monitoring program will be undertaken annually as part of the PRRMP to ensure monitoring parameters, timing, location and outputs are addressing all key risk areas and management plan objectives adequately. The review will be undertaken by Lendlease and the Environmental Consultant with advice from technical specialists as appropriate (e.g. Dieback, vegetation and fauna specialists).	Annually	C	Refer to PRRMP 62	C
PRRMP 64		To ensure uncertainty is reduced over time, and that plan outcomes/performance indicators are achieved, the following will be evaluated during review stages and incorporated into revisions of the PRRMP: <ul style="list-style-type: none"> <li>• new and relevant data/information gained as a result of implementing the plan or from external sources (e.g. academic literature, EPBC Act policy statements)</li> <li>• effectiveness of PRRMP coordination, scheduling, monitoring, risk management, auditing and reporting activities</li> <li>• risks, including in response to the risk level changing circumstances or the results from implementing corrective actions</li> <li>• effectiveness of management measures with significant levels of uncertainty, relatively long implementation timeframes, and upon which the plan is highly dependent consequences of significant environmental incidents.</li> </ul>	Annually	C	Refer to PRRMP 62	C