

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central

Project No: EP21-095(01)

**Prepared for Lendlease Communities (Australia) Limited
December 2021**



2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



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		Sarah Beukes	SB		
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2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



Table of Contents

1	Introduction	1
1.1	Purpose	1
1.2	Scope	1
1.3	Project background	1
1.4	Approvals under the <i>Environmental Protection and Biodiversity Conservation Act 1999</i>	2
2	Project status	4
3	Audit methodology	5
3.1	Revisions to management plans	5
3.2	Audit approach	5
3.3	Audit terminology	5
4	Audit findings	7
4.1	Compliance with EPBC 2015/7561 conditions	7
4.1.1	Conformance with the Construction Environmental Management Plan	7
4.1.2	Conformance with the Parks and Recreation Management Plan	7
5	References	11

List of Tables

Table 1: Land within EPBC 2015/7561	2
Table 2: Key personnel consulted during the audit	5
Table 3: Audit terminology	5
Table 4: Compliance with conditions in EPBC 2015/7561	8

Figures

Figure 1: Clearing During Reporting Period

Appendices

Appendix A

Conformance with the Construction Environmental Management Plan

Appendix B

Conformance with the Parks and Recreation Reserve Management Plan

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



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)
MRWA	Main Roads Western Australia
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>

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



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 2020 to 25 September 2021 for the conditions associated with EPBC 2015/7561. This ACR is due to be published on the Lendlease website by 25 December 2021.

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, in partnership with DevelopmentWA, are implementing the Alkimos Vista residential development. Concurrently, DevelopmentWA are implementing the adjacent Alkimos Central residential development immediately to the south. The two developments are located next to one another, approximately 40 km north-west of the Perth Central Business District. Whilst the two developments are being implemented separately, both occur within the EPBC 2015/7561 approval area (herein referred to as ‘the site’), as shown in **Figure 1**, and therefore both are subject to the EPBC 2015/7561 approval conditions.

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



The two developments (collectively referred to as 'the project') cover a total of approximately 480 ha and occur across a number of cadastral land parcels of varying ownership, as detailed in **Table 1**

Table 1: Land within EPBC 2015/7561

Address	Deposited Plan	Owner	Description
2570 Marmion Avenue	419385/2	DevelopmentWA	Alkimos Central (previously City Centre)
200K Alkimos Drive	409771/2001	DevelopmentWA	Alkimos Vista (previously Central Alkimos)
500 Alkimos Drive	417229/9008	DevelopmentWA	Alkimos Vista (previously Central Alkimos)
	409771/2000	WAPC	Rail Corridor
1K Skysail Avenue	411703/1014	WAPC	Parks and Recreation Reserve
100 Coolangatta Rise	409771/1000	WAPC	Parks and Recreation Reserve
Various	Various	Various	Subdivided residential lots in Alkimos Vista

It is noted that at the time of the EPBC Act approval being issued, both developments were referred to with different project names which have now been superseded:

- Alkimos Vista (Lendlease, in partnership with DevelopmentWA) was previously 'Alkimos Central'
- Alkimos Central (DevelopmentWA) was previously 'Alkimos City Centre'.

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

The environmental impacts of the two developments (the project) were cumulatively considered in a single EPBC referral, with Lendlease being the designated 'approval holder'.

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 324 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 subsequently commenced on 26 September 2017. The project is anticipated to be delivered over the next 20 – 30 years.

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



Since the original approval was issued, a single variation with two iterations has been approved by the then DoEE, summarised as follows:

- 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.

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



2 Project status

Activities undertaken during the audit period (26 September 2020 to 25 September 2021) within the approved clearing area (**Figure 1**) include:

- Clearing and civil construction activities related to the Yanchep Rail Extension (YRE) project, carried out by the Public Transport Authority (PTA), through their alliance contractor NEWest Alliance. This involved the clearing of 5.09 ha of vegetation including 1.84 ha of Carnaby's black cockatoo habitat. The PTA agreed to undertake these works in accordance with the requirements of EPBC 2015/7561 and compliance has been assessed as part of this ACR.
- Clearing and civil construction activities related to the Romeo Road extension project, carried out by Main Roads Western Australia (MRWA), through their civil contractor Georgiou. This involved the clearing of 14.69 ha of vegetation including 10.73 ha of Carnaby's black cockatoo habitat. MRWA agreed to undertake these works in accordance with the requirements of EPBC 2015/7561 and compliance has been assessed as part of this ACR.
- Civil construction activities associated with the bulk earthworks to create the next stage of residential lots within Alkimos Vista, undertaken by Lendlease through their civil contractor Georgiou. These works occurred within previously cleared areas, so did not involve the clearing of any native vegetation or Carnaby's black cockatoo habitat.

Works associated with the construction of the Romeo Road extension project were located over 500 m away from the Parks and Recreation Reserve and as such, implementation of the PRRMP (and numerous CEMP management actions related to works in proximity to the Parks and Recreation Reserve) was not applicable to these works. As such, assessment of conformance against the PRRMP for these works has not been assessed as part of this ACR, as it is not an applicable consideration.

Activities undertaken during the audit period within the Parks and Recreation Reserves include:

- Monitoring and rehabilitation works undertaken by Tranen, including:
 - Manual and spot spraying of weeds as required
 - Formal revegetation monitoring
 - Monitoring of pests
 - Fencing repairs
 - Infill planting of seedlings.
- Remediation works by NEWest Alliance to correct unauthorised sand discharge into the PRR.
- Clearing activity for firebreaks undertaken by DPLH as noted by Tranen. Note that works are separate to the approved action implemented under EPBC 2015/7561 and therefore is only addressed indirectly as part of this ACR.

The PTA and Lendlease have a legal agreement as to which areas of the site the PTA can clear and implement YRE works. The PTA reported two minor over-clearing events to Lendlease during the audit period. Whilst this involved minor exceedance of the clearing areas agreed to between the two parties, it did not involve any clearing outside of the EPBC 2015/7561 boundary or the approved clearing area defined in Attachment A of the EPBC 2015/7561 approval conditions. The clearing did not extend into the PRR. As such, this clearing does not constitute a non-compliance with EPBC 2015/7561.

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



3 Audit methodology

The audit reported on in this ACR, addresses the period between 26 September 2020 and 25 September 2021 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, in addition to evidence presented as part of previous ACR's.

3.1 Revisions to management plans

No updates were made to the management plans during the audit period. Compliance with the current versions of the CEMP (Version 4) and PRRMP (Version 4) have been assessed as part of this audit.

3.2 Audit approach

The 2021 compliance audit was undertaken in between October to December 2021 and involved an audit of the EPBC 2015/7561 approval condition and associated management plans. Evidence and documentation was requested from key personnel involved in the activities undertaken on the site within the audit period, and subsequently reviewed are recorded as part of this report. Interviews with key personnel were also undertaken as required.

Key personnel consulted as part of the audit are listed in **Table 2**.

Table 2: Key personnel consulted during the audit

Personnel	Organisation and Position
Laura Bowdell	Development Manager - Lendlease
Peter Grose	Project Revegetation Consultant and Managing Direction - Tranen
Harry Jockel	Environmental Advisor – PTA (for PTA and NEWest Alliance)
Damien Giudici	Development Manager – DevelopmentWA (for Georgiou and Main Roads)

3.3 Audit terminology

The 'Compliance Status' of the audit tables describes the implementation of actions and compliance with the approval. **Table 3** details the terminology that has been applied in this audit.

Table 3: 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.

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



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)

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



4 Audit findings

The results of the 2021 audit of the EPBC 2015/7561 approval conditions are provided in **Table 4**.

The results of the 2021 audit of conformance with the ongoing objectives of the CEMP (condition 2) are outlined in **Appendix**, and for the management actions within the PRRMP (condition 3) within **Appendix**.

A total of 120 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 4**) were identified during the audit. It was found that of the 15 key actions within the approval:

- Seven were deemed compliant.
- Three were deemed completed.
- Five 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**, no non-conformances with the requirements of the CEMP (**Appendix A**) were identified during the audit.

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 B**) were identified during the audit.

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



Table 4: Compliance with conditions in EPBC 2015/7561

Condition reference	Condition	Compliance status	Comment	Evidence
1	The person taking the action must not clear more than 257 hectares of Carnaby's Black-Cockatoo habitat within the project area.	C	<p>PTA and MRWA undertook clearing activities between 26 September 2020 and 25 September 2021. Lendlease did not undertake any clearing during the reporting period.</p> <p>PTA cleared 5.09 ha of vegetation within the approval area including 1.84 ha of CBC habitat to facilitate the development of the Yanchep Rail Extension, which bisects the project area. PTA clearing has occurred within Alkimos Vista and Alkimos Central.</p> <p>MRWA cleared a total of 14.69 ha of vegetation including 8.89 ha of CBC habitat along Romeo Road within the southern portion of Alkimos Central.</p> <p>The PTA and MRWA have provided data detailing the amount of Carnaby's Black-Cockatoo habitat clearing that has been undertaken. A total of 10.73 ha of CBC habitat clearing has occurred during this period.</p> <p>The cumulative total of the clearing of CBC habitat since the commencement of the action is 46.68 ha, below the allowable limit of 257 ha.</p>	<p>D21-019_PTA_Yanchep Rail Extension (Part 1) Clearing</p> <p>D21-020_PTA_Clearing Shapefiles</p> <p>D21-021_MNG Survey_Romeo Road Clearing Shapefile</p> <p>D21-022_MNG Survey_Romeo Road Clearing</p> <p>D21-001_Lendlease_Audit Checklist</p> <p>E21-008_MNG Survey_Alkimos Central Clearing Information</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"> 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 performance indicators that measure the effectiveness of avoidance and mitigation measures to prevent impacts to Carnaby's Black-Cockatoo habitat details of performance monitoring, reporting and contingency measures if performance indicators are not met timeframes for the implementation of the above measures descriptions of the roles and responsibilities of personnel associated with implementing each of the above measures. <p>If the Minister approves the CEMP then the approved CEMP must be implemented.</p>	C	<p>As outlined in the 2020 ACR. Revision 4 of the CEMP 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"> 40 were assessed as conformant Zero were assessed as non-conformant <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 Appendix.</p>	<p>R21-002_Emerge Associates_2020 ACR</p> <p>R21-005_Strategen_Alkimos City Centre and Central CEMP (Rev 4 CEMP 2019)</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"> zoning and tenure arrangements measures to physically delineate 66.64 ha of Carnaby's Black Cockatoo habitat that will be retained within the Parks and Recreation Reserve an outline of how Carnaby's Black-Cockatoo habitat will be rehabilitated 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 management measures including fencing, access controls, weed and pest management, and the control of <i>Phytophthora cinnamomi</i> (dieback) spread management of nesting hollows, including hollows removed and relocated prior to clearing, and artificial nesting boxes <ol style="list-style-type: none"> A total of 12 artificial nest boxes or nesting hollows must be installed within the project area 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) 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 	C	<p>As outlined in the 2020 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"> 44 were assessed as conformant 13 were completed Zero were assessed as non-conformant Eight were assessed as not applicable. <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 Appendix.</p>	<p>R21-002_Emerge Associates_2020 ACR</p> <p>R21-003_Strategen_Alkimos City Centre and Central PRRMP (Rev 4 PRRMP)</p>

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



Condition reference	Condition	Compliance status	Comment	Evidence
	<p>colonies, replacement of mulch and/or sacrificial chewing posts, must be undertaken prior to the next breeding season.</p> <p>g. timeframes for implementing the above measures</p> <p>h. performance indicators that measure the effectiveness of measures to mitigate impacts to Carnaby's Black-Cockatoos</p> <p>i. details of performance monitoring, reporting and contingency measures if interim targets, completion criteria and performance indicators are not met.</p> <p>j. descriptions of the roles and responsibilities of personnel associated with implementation of each of the above measures.</p> <p>If the Minister approves the PRRMP then the approved PRRMP must be implemented.</p>			
4	<p>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:</p> <p>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</p> <p>b. a textual 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</p> <p>c. written evidence that \$50,000 has been provided to the Kaarakin Black Cockatoo Conservation Centre.</p>	CLD	This item was assessed as Compliant (complete) in the 2018 ACR.	R21-001_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.	R21-001_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 2020 CAR was due to be published by 25 December 2020. Lendlease advised the DoEE on 30 November 2020 that the ACR Has been prepared and published online.	R21-002_Emerge Associates_2020 ACR E21-001_Lendlease_Submission of 2019/2020 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.	D21-001_Lendlease_Audit Checklist
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.	D21-001_Lendlease_Audit Checklist E21-002_Lendlease_Evidence Request
10	<p>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:</p> <p>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;</p> <p>b. implement the revised Plan from the date that the Plan is submitted to the Department; and</p>	N/A	No management plans were updated during this reporting period.	D21-001_Lendlease_Audit Checklist

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



Condition reference	Condition	Compliance status	Comment	Evidence
	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.			
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 EBPC 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
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.	R21-001_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.	N/A	No amendments have been made to the management plans during this audit period. The current management plans were compliant with condition 12 in the 2020 ACR.	R21-002_Emerge Associates_2020 ACR

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



5 References

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.

Figures



Figure 1: Clearing During Reporting Period

Appendix A

Conformance with the Construction Environmental Management Plan



2021 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
CEMP 1	Site preparation and clearing	Induct all personnel working on site in relation to the following: <ul style="list-style-type: none"> restricted and/or 'no-go' areas, including the PRR and other restricted/protected areas on site key requirements of the PRRMP key requirements of the Construction Environmental Management Plan (CEMP) relating to protection of CBCs (hygiene measures, waste management, traffic management, erosion and dust control). 	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 NEWest Alliance who are constructing the project, in addition to the Public Transport Authority (PTA) who are managing the project.</p>	<p>D21-001_Lendlease_Audit Checklist</p> <p>D21-002_Lendlease_August 2021 Monthly Compliance Checklist</p> <p>D21-003_Lendlease_July 2021 Monthly Compliance Checklist</p> <p>D21-004_Lendlease_May 2021 Monthly Compliance Checklist</p> <p>D21-005_Lendlease_September 2021 Monthly Compliance Checklist</p> <p>D21-006_Georgiou_Alkimos Site Induction</p> <p>D21-007_Georgiou_Site Induction Checklist Alkimos Template</p> <p>D21-008_NEWest Alliance_Site Specific Orientation YRE</p> <p>R21-006_PTA_Yanchep Rail Extension CEMP</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 construction for residential areas was undertaken and as such, this requirement was not applicable to this component of work.</p> <p>Main Roads undertook clearing at Romeo Road. No construction nor clearing activities were undertaken within proximity to CBC habitat proposed to be retained within the PRR and as such, this was requirement was not applicable.</p> <p>PTA undertook clearing along the YRE, adjacent to the PPR. No CBC habitat trees were within or near the clearing footprint within the reporting period. CBC habitat was included on construction drawing transmitted to the contractor.</p>	<p>R21-004_Georgiou_Compliance Reporting Contractor Checklist</p> <p>D21-001_Lendlease_Audit Checklist</p> <p>R21-011_Strategen_2019 ACR</p> <p>D21-023_NEWest Alliance_Permit to Clear Land or Vegetation</p> <p>P21-012_PTA_Clearing Pegs</p> <p>P21-013_PTA_Temporary Fencing Post Clearing</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	As per the 2020 ACR, the 16 habitat trees to be retained are in the PRR and therefore not included on construction drawings. Clearing undertaken was not near the habitat trees.	<p>D21-001_Lendlease_Audit Checklist</p> <p>R21-002_Emerge Associates_2020 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>PTA have confirmed that the clearing boundary co-ordinates was provided to NEWest Alliance, prior to clearing works.</p> <p>Georgiou have confirmed that pre-clearing coordinates were made available.</p>	<p>R21-004_Georgiou_Compliance Reporting Contractor Checklist</p> <p>D21-024_PTA_Document Transmittal Footprint Areas</p>
CEMP 5		Install appropriate fencing or barriers to restrict access to unwanted tracks in PRR areas.	During construction	C	<p>As per the 2020 ACR, appropriate fencing of the PRR areas adjacent to cleared areas associated with residential development have been installed.</p> <p>The Romeo Road clearing boundary does not adjoin the PRR areas and therefore this requirement is not applicable to those works.</p> <p>The PTA installed a combination of permanent and temporary fencing along the PRR boundary where YRE works occurred in proximity.</p>	<p>R21-002_Emerge Associates_2020 ACR</p> <p>P21-014_PTA_Temporary Permanent Fencing with Signs</p>
CEMP 6		Install appropriate temporary signage to restrict unauthorised access to the PRR.	Pre- & during construction	C	<p>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.</p> <p>The Romeo Road clearing boundary does not adjoin the PRR areas and therefore this requirement is not applicable to those works.</p>	<p>R21-002_Emerge Associates_2020 ACR</p> <p>R21-004_Georgiou_Compliance Reporting Contractor Checklist</p> <p>D21-009_NEWest Alliance_Weekly Environmental Inspections</p> <p>D21-010_NEWest Alliance_Fortnightly Environmental Inspections</p>

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
					During remediation works in the PRR sections of this fence were removed to allow access and temporary fencing was installed. Temporary signage was installed by PTA adjacent to areas of clearing prior to the installation of permanent fencing.	R21-004_Georgiou_Compliance Reporting Contractor Checklist P21-014_PTA_Temporary Permanent Fencing with Signs
CEMP 7		Ensure no domestic animals, traps or firearms are permitted onsite.	Pre-& during clearing	C	The Georgiou and NEWest Alliance 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.	D21-006_Georgiou_Alkimos Site Induction D21-008_NEWest Alliance_Site Specific Orientation YRE D21-011_NEWest Alliance_Prohibited and Restricted Items D21-025_NACMS_Metronet 1 - Yanchep Rail Extension - Fauna Traps
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. Clearing undertaken by PTA was in an area located more than 30 m from trees with hollows. The clearing associated with Romeo Road occurred more than 50 m from any potential breeding trees, and no nest checks were required.	D21-001_Lendlease_Audit Checklist D21-018_PTA_PTA Annual Compliance Audit Matrix D21-036_Emerge Associates_Black Cockatoo Habitat Assessment Figure
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 in the PRR, 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 by cockatoos.	D21-018_PTA_PTA Annual Compliance Audit Matrix D21-036_Emerge Associates_Black Cockatoo Habitat Assessment Figure L21-001_Emerge Associates_2021 Black Cockatoo Artificial Hollow Monitoring
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 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.	D21-009_NEWest Alliance_Weekly Environmental Inspections D21-010_NEWest Alliance_Fortnightly Environmental Inspections D21-008_NEWest Alliance_Site Specific Orientation YRE R21-012_Georgiou_HSE Management Plan - Alkimos Projects D21-026_PTA_Work Area Photographs
CEMP 11		All bins shall have secure lids which remain closed and will need to be emptied regularly.	Pre-& during construction	C	Georgiou's health, safety and environment (HSE) management plan includes a waste management sub plan. Georgiou implements the sub plan onsite, whereby waste is put into a commingled bin and transported to a recycling facility and segregated as appropriate. Environmental inspections are undertaken regularly, which include checks to ensure the site remains free from litter and the containers are emptied at appropriate intervals. The non-conformance from the 2019-2020 audit period has been closed out. All waste bins have secure and closed lids.	R21-012_Georgiou_HSE Management Plan - Alkimos Projects D21-009_NEWest Alliance_Weekly Environmental Inspections D21-010_NEWest Alliance_Fortnightly Environmental Inspections P21-001_PTA_Lidded Bin Photo 1 P21-002_PTA_Lidded Bin Photo 2 P21-003_PTA_Lidded Bin Photo 3 P21-004_PTA_Lidded Bin Photo 4
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.	D21-006_Georgiou_Alkimos Site Induction P21-005_PTA_Speed Limit Sign 1 P21-006_PTA_Speed Limit Sign 2

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
						<p>P21-007_PTA_Speed Limit Sign 3</p> <p>D21-027_NEWest Alliance_Alkimos Site Compound - Vehicle MP</p> <p>D21-028_NEWest Alliance_Zone 1C - Vehicle MP</p> <p>D21-029_NEWest Alliance_Alkimos - Vehicle MP</p>
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	<p>Dieback and weed management are discussed in the PTA's site-specific induction required to be undertaken by all site personnel.</p> <p>Georgiou's health, safety and environment (HSE) management plan includes a weeds, pest and disease management sub plan.</p>	<p>D21-023_NEWest Alliance_Permit to Clear Land or Vegetation</p> <p>R21-012_Georgiou_HSE Management Plan - Alkimos Projects</p> <p>D21-006_Georgiou_Alkimos Site Induction</p> <p>D21-008_NEWest Alliance_Site Specific Orientation YRE</p> <p>R21-004_Georgiou_Compliance Reporting Contractor Checklist</p>
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	<p>Dieback was assessed in 2011, 2017 and 2019, which is prior to the initial clearing as detailed in the 2019 ACR.</p> <p>As part of the clearing associated with the YRE, a dieback survey was undertaken by Glevan Consulting on behalf of the PTA in 2019. No dieback infestations were observed during the assessment and all 22.44 ha (31.8% of the project area) of interpretable vegetation that was observed was found to be uninfested. A single soil and tissue sample was taken during the assessment, which returned a negative result for the presence of <i>Phytophthora</i>.</p>	<p>R21-011_Strategen_2019 ACR</p> <p>R21-013_Glevan Consulting_Yanchep Rail Extension 2019 - Phytophthora Dieback</p>
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 through site inductions.	<p>D21-006_Georgiou_Alkimos Site Induction</p> <p>D21-008_NEWest Alliance_Site Specific Orientation YRE</p> <p>D21-014_PTA_Hygiene Certificate - Plant and Equipment Clean Down</p> <p>D21-015_PTA_Hygiene Certificate - Brush and Clean Down Record Sheet</p>
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	<p>Vehicles are to be clean on entry and access restrictions are discussed within the induction packages.</p> <p>Vehicles are not permitted access outside the rail corridor during the audit period. Temporary permanent fencing has been installed by PTA post clearing, to prevent unauthorised access.</p>	<p>D21-001_Lendlease_Audit Checklist</p> <p>D21-006_Georgiou_Alkimos Site Induction</p> <p>D21-008_NEWest Alliance_Site Specific Orientation YRE</p> <p>D21-023_NEWest Alliance_Permit to Clear Land or Vegetation</p> <p>P21-014_PTA_Temporary Permanent Fencing with Signs</p>
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>No PTA or NEWest Alliance vehicles entered the PRR. Plant machinery was used to remediate sand discharge into the PRR. All plant machinery is checked prior to site entry.</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>D21-006_Georgiou_Alkimos Site Induction</p> <p>D21-008_NEWest Alliance_Site Specific Orientation YRE</p> <p>D21-014_PTA_Hygiene Certificate - Plant and Equipment Clean Down</p> <p>D21-015_PTA_Hygiene Certificate - Brush and Clean Down Record Sheet</p> <p>D21-018_PTA_PTA Annual Compliance Audit Matrix</p> <p>R21-007_Tranen_Spring 2021 Monitoring Alkimos Vista Parks</p> <p>R21-015_Tranen_Autumn 2021 Monitoring Alkimos Vista Parks</p>

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
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.	R21-011_Strategen_2019 ACR R21-013_Glevan Consulting_Yanchep Rail Extension 2019 - Phytophthora Dieback
CEMP 19		Ensure any fill/soil brought onto site is certified disease free.	During construction	C	As per the 2019 ACR, no fill has been brought on to the site by Georgiou and Lendlease, and Georgiou's scope of works confirms that earthworks are being undertaken on a 'cut to fill' basis. As provided by PTA, fill stockpiled at the Alkimos stockpile site has been sourced within the rail corridor. The project has a fill surplus and no requirement to import material. 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.	D21-001_Lendlease_Audit Checklist D21-018_PTA_Annual Compliance Audit Matrix R21-004_Georgiou_Compliance Reporting Contractor Checklist R21-011_Strategen_2019 ACR
CEMP 20	Erosion and dust control	Cleared areas will be stabilised to prevent wind-blown dust generating on site.	During construction	C	The PTA applied Glu-on to high risk cleared areas within the YRE and water carts were used for stabilisation to prevent dust lift-off. Similarly, Georgia had water carts available to prevent wind-blown dust generation.	D21-018_PTA_Annual Compliance Audit Matrix R21-004_Georgiou_Compliance Reporting Contractor Checklist E21-012_PTA_Acknowledgement of Glu-on Application P21-016_PTA_Glu-on Target Areas
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.	D21-018_PTA_Annual Compliance Audit Matrix R21-004_Georgiou_Compliance Reporting Contractor Checklist
5.1 Monitoring program						
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 monitor PRR fencing and signage opportunistically during site inspections, which were undertaken more frequently than the quarterly requirement. PTA undertook regular monitoring to ensure fencing was being maintained as part of the YRE construction works. PTA and NWA completed fortnightly environmental inspections of the PRR including fencing integrity.	R21-016_Tranen_Alkimos Vista PAR 6 18 Sep 20 - 6 Jan 21 R21-017_Tranen_Alkimos Vista PAR 8 9 Jun 21-22 Sep 21 D21-009_NEWest Alliance_Weekly Environmental Inspections D21-010_NEWest Alliance_Fortnightly Environmental Inspections D21-030_NEWest Alliance_Monthly 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 for the YRE is managed under an internal NEWest Alliance 'Permit to Clear Land or Vegetation' system, whereby prior to clearing, boundaries were checked by a qualified surveyor and NWA Environmental personnel. Post clearing inspections were then conducted after by NWA Environmental personnel.	D21-001_Lendlease_Audit Checklist D21-024_PTA_Document Transmittal Footprint Areas D21-023_NEWest Alliance_Permit to Clear Land or Vegetation D21-035_PTA_Survey Verification D21-032_NEWest Alliance_Post-Clearing Inspection Checklists
CEMP 24		Total area cleared.	Annually during construction after clearing has commenced	C	Total area cleared is monitoring through annual compliance reporting to address Condition 1 of EPBC 2015/7561.	D21-001_Lendlease_Audit Checklist D21-024_PTA_Document Transmittal Footprint Areas D21-019_PTA_Yanchep Rail Extension (Part 1) Clearing- D21-035_PTA_Survey Verification D21-032_NEWest Alliance_Post-Clearing Inspection Checklists

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
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 notify Lendlease and it is then acted on accordingly. Tranen have also documented clearing undertaken by DPLH to create firebreaks within the PRR, noting that this activity has significantly opened up the area to 4WD traffic from the west. However, the access to the area appeared minimal during the spring monitoring period and was primarily accessed by motorbikes along existing sand track with no damage to vegetation noted. PTA advised there was no unauthorised access during this period.	R21-007_Tranen_Spring 2021 Monitoring Alkimos Vista Parks R21-015_Tranen_Autumn 2021 Monitoring Alkimos Vista Parks R21-016_Tranen_Alkimos Vista PAR 6 18 Sep 20 - 6 Jan 21 R21-017_Tranen_Alkimos Vista PAR 8 9 Jun 21-22 Sep 21 D21-018_PTA_PTA Annual Compliance Audit Matrix
CEMP 26		CBC activity / presence within nesting hollows.	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 June 2021 and November 2021. The November inspection was conducted prior to the end of the breeding season. The inspection was undertaken at this time to observe the hollows during peak breeding season, in accordance with DBCA artificial hollow monitoring guidelines. The first survey event is before breeding season (May in 2020 and June in 2021) to check the condition of the hollows make sure they are ready for use, and the second survey is to detect evidence of black cockatoo usage.	L21-001_Emerge Associates_2021 Black Cockatoo Artificial Hollow Monitoring
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	There were no CBC injuries or deaths recorded during the audit period.	D21-001_Lendlease_Audit Checklist R21-004_Georgiou_Compliance Reporting Contractor Checklist D21-018_PTA_PTA Annual Compliance Audit Matrix
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 daily and post-rainfall.	D21-018_PTA_PTA Annual Compliance Audit Matrix D21-009_NEWest Alliance_Weekly Environmental Inspections D21-010_NEWest Alliance_Fortnightly Environmental Inspections D21-030_NEWest Alliance_Monthly Environmental Inspections
CEMP 30		Visual observations of dust generation.	Opportunistically during construction	C	Dust monitoring reports indicated that dust was not an issue on the residential development 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. Where dust issues are raised as an issue, corrective measures are put in place.	D21-002_Lendlease_August 2021 Monthly Compliance Checklist D21-003_Lendlease_July 2021 Monthly Compliance Checklist D21-004_Lendlease_May 2021 Monthly Compliance Checklist D21-005_Lendlease_September 2021 Monthly Compliance Checklist R21-008_SERS_Dust Monitoring Summary Report 2805 - 0306 R21-009_SERS_Dust Monitoring Summary Report 1307 - 1807 R21-010_SERS_Dust Monitoring Summary Report 06/09 - 12/09 P21-008_PTA_Dust Monitor P21-009_PTA_Water Cart 1

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
						<p>P21-010_PTA_Water Cart 2</p> <p>P21-011_PTA_Water Cart 3</p> <p>D21-009_NEWest Alliance_Weekly Environmental Inspections</p> <p>D21-010_NEWest Alliance_Fortnightly Environmental Inspections</p> <p>D21-030_NEWest Alliance_Monthly Environmental Inspections</p>
CEMP 31		Dust suppression equipment / actions.	Opportunistically during construction	C	<p>Dust monitoring reports indicated that dust was not an issue on site during the audit period. Notwithstanding, water carts are available onsite and used for dust suppression as required.</p> <p>Dust management within the YRE development area is monitored by the site supervisor and reported on in the environmental checklist. Where dust issues are raised as an issue, corrective measures are put in place.</p>	<p>D21-002_Lendlease_August 2021 Monthly Compliance Checklist</p> <p>D21-003_Lendlease_July 2021 Monthly Compliance Checklist</p> <p>D21-004_Lendlease_May 2021 Monthly Compliance Checklist</p> <p>D21-005_Lendlease_September 2021 Monthly Compliance Checklist</p> <p>R21-008_SERS_Dust Monitoring Summary Report 2805 - 0306</p> <p>R21-009_SERS_Dust Monitoring Summary Report 1307 - 1807</p> <p>R21-010_SERS_Dust Monitoring Summary Report 06/09 - 12/09</p> <p>P21-008_PTA_Dust Monitor</p> <p>P21-009_PTA_Water Cart 1</p> <p>P21-010_PTA_Water Cart 2</p> <p>P21-011_PTA_Water Cart 3</p>
CEMP 32		Visual observation of vegetation health.	Monthly during construction	C	<p>Vegetation health within retained vegetation was assessed as part of the compliance checklists prepared by NEWest.</p> <p>Not applicable to works associated with Romeo Road given not adjacent to retained vegetation within PRR area.</p>	D21-018_PTA_PTA Annual Compliance Audit Matrix
CEMP 33		Complaints register.	Opportunistically during construction	C	A complaints register has been maintained during the audit period. No compliances were received.	E21-005_Georgiou_Complaint Register
CEMP 34	To delineate and protect retained vegetation.	Total area cleared. Clearing register.	Annually during construction after clearing has commenced	C	Total area cleared is monitoring through annual compliance reporting to address Condition 1 of EPBC 2015/7561.	<p>D21-001_Lendlease_Audit Checklist</p> <p>D21-024_PTA_Document Transmittal Footprint Areas</p> <p>D21-019_PTA_Yanchep Rail Extension (Part 1) Clearing-</p> <p>D21-023_NEWest Alliance_Permit to Clear Land or Vegetation</p> <p>D21-035_PTA_Survey Verification</p> <p>D21-032_NEWest Alliance_Post-Clearing Inspection Checklists</p>
CEMP 35		Vegetation health monitoring as described in the PRRMP.	As described in the PRRMP	C	Addressed through implementation of PRRMP. Refer Appendix 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.	<p>D21-006_Georgiou_Alkimos Site Induction</p> <p>D21-008_NEWest Alliance_Site Specific Orientation YRE</p>

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
					Hygiene registers are maintained by Georgiou, PTA and NEWest as part of construction within the site.	D21-012_Georgiou_Plant Compliance Checklist Traxcavator D21-013_Georgiou_Plant Compliance Checklist Articulated Truck D21-014_PTA_Hygiene Certificate - Plant and Equipment Clean Down D21-015_PTA_Hygiene Certificate - Brush and Clean Down Record Sheet
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 infestations were observed during the assessment and all 22.44 ha (31.8% of the project area) of interpretable vegetation that was observed was found to be uninfested. A single soil and tissue sample was taken during the assessment, which returned a negative result for the presence of <i>Phytophthora</i> .	R21-011_Strategen_2019 ACR R21-013_Glevan Consulting_Yanchep Rail Extension 2019 - Phytophthora Dieback
7.2 Compliance reporting						
CEMP 38	CEMP and technical review and adaptive management	CEMP review shall be initiated: <ul style="list-style-type: none"> • following significant incidents • where monitoring indicates that performance is not being achieved against KPIs • periodically every 12 months. 	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.	R21-005_Strategen_Alkimos City Centre and Central CEMP (Rev 4 CEMP 2019) D21-001_Lendlease_Audit Checklist
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.	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"> • 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) • effectiveness of CEMP coordination, scheduling, monitoring, risk management, auditing and reporting activities • risks, including in response to the risk level, changing circumstances or the results from implementing corrective actions • 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. 	Annually	C	Refer to CEMP 38.	Refer to CEMP 38.

Appendix B



Conformance with the Parks and Recreation Reserve Management Plan

Note: this is not applicable to works associated with Romeo Road installation, given the separation between these works and the Parks and Recreation Reserve.

2021 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
4.1 Implementation						
PRRMP 1		Retained vegetation within the PPR will be vested in the WAPC and retained for conservation.	At handover	CLD	As outlined in the 2019 ACR, ownership of the PRR area has been transferred to the Western Australian Planning Commission.	R21-011_Strategen_2019 ACR D21-017_Landgate_Landgate Certificate of Title R21-007_Tranen_Spring 2021 Monitoring Alkimos Vista Parks
4.2 Delineation of areas to be retained						
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 such this management action is not applicable to these works. As clearing was undertaken for the YRE, star pickets and flagging were installed adjacent to the clearing area, where permanent fencing surrounding the PRR was not yet installed.	R21-011_Strategen_2019 ACR D21-001_Lendlease_Audit Checklist D21-018_PTA_PTA Annual Compliance Audit Matrix D21-018_PTA_PTA Annual Compliance Audit Matrix P21-013_PTA_Temporary Fencing Post Clearing P21-014_PTA_Temporary Permanent Fencing with Signs P21-015_PTA_Temporary fencing during remediation works P21-012_PTA_Clearing Pegs
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 previous years clearing areas and surrounding stage boundaries during previous audit periods. Permanent fencing was installed surrounding the PRR, adjacent to the areas of YRE clearing works. During remediation works in the PRR sections of this fence were removed to allow access and temporary fencing was installed. Permanent temporary fencing has since been re-instated along the boundary.	D21-018_PTA_PTA Annual Compliance Audit Matrix P21-013_PTA_Temporary Fencing Post Clearing P21-014_PTA_Temporary Permanent Fencing with Signs P21-015_PTA_Temporary fencing during remediation works R21-011_Strategen_2019 ACR R21-007_Tranen_Alkimos Vista PRR Revegetation PAR
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. Tranen reported fencing repairs were carried out by following breaches by motorbikes and 4WDs during the 9 Jun 21-22 Sep 21 Period. The entire site was inspected on 22 September 2021 and no signs of fence damage were found. No reports of fence breaches were made by the PTA as part of their regular inspections.	R21-007_Tranen_Spring 2021 Monitoring Alkimos Vista Parks R21-016_Tranen_Alkimos Vista PAR 6 18 Sep 20 - 6 Jan 21 D21-009_NEWest Alliance_Weekly Environmental Inspections D21-010_NEWest Alliance_Fortnightly 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.	D21-001_Lendlease_Audit Checklist D21-024_PTA_Document Transmittal Footprint Areas
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. During remediation works in the PRR sections of this fence were removed to allow access and temporary fencing was installed. Temporary signage was installed by PTA adjacent to areas of clearing prior to the installation of permanent fencing.	D21-009_NEWest Alliance_Weekly Environmental Inspections P21-013_PTA_Temporary Fencing Post Clearing P21-014_PTA_Temporary Permanent Fencing with Signs P21-015_PTA_Temporary fencing during remediation works

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
4.2 Delineation of areas to be retained						
PRRMP 7		Install permanent signage to encourage public education and awareness on: <ul style="list-style-type: none"> • where to access the PRR if applicable • the importance of retained bushland • the detrimental effects of rubbish, weeds and pathogens on biodiversity • the importance of keeping to the designated walking tracks. 	During and post-construction up until handover	N/A	Permanent public education signage was not installed during the audit period as there is no public access available to the PRR at this stage.	N/A
4.3 Protection of retained vegetation						
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.	R21-011_Strategen_2019 ACR D21-017_Landgate_Landgate Certificate of Title
4.4 Rehabilitation of PRR						
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. Seedling planting was undertaken throughout the year after weed control, site scarification and direct seeding with provenance seed. Infill seedling planting has also been completed.	R21-011_Strategen_2019 ACR R21-016_Tranen_Alkimos Vista PAR 6 18 Sep 20 - 6 Jan 21 R21-017_Tranen_Alkimos Vista PAR 8 9 Jun 21-22 Sep 21
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). No evidence was found of any emu or rabbit presence or activity in the rehabilitation area. No small snails were observed on plants.	R21-011_Strategen_2019 ACR R21-007_Tranen_Spring 2021 Monitoring Alkimos Vista Parks
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.	R21-011_Strategen_2019 ACR D21-001_Lendlease_Audit Checklist R21-013_Glevan Consulting_Yanchep Rail Extension 2019 - Phytophthora Dieback
PRRMP 12		Induct all personnel working on site in relation to the following: <ul style="list-style-type: none"> • restricted and/or 'no-go' areas, including the PRR and other areas of protected vegetation identified on site • key requirements of the PRRMP (including measures to protect CBC, hygiene measures etc) • key requirements of the Construction Environmental Management Plan (CEMP) relevant to the protection of the PRR. 	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. The Georgiou inductions for works associated with Romeo Road specifies that no entry to the PRR is permitted. All personnel working on the YRE project are fully inducted under the NEWest Alliance induction package, which includes restricted areas / no go zones and key requirements of PRRMP and CEMP.	D21-006_Georgiou_Alkimos Site Induction D21-008_NEWest Alliance_Site Specific Orientation YRE D21-031_NEWest Alliance_YRE Induction Records
PRRMP 13	Baseline assessment	Establish three permanent baseline vegetation monitoring quadrats as described in Table 11.	Prior to rehabilitation works (refer to Table 11)	CLD	Tranen have established three 10 x 10 m quadrats within the PRR, outside of the rehabilitation area. The monitoring quadrats were established during the 2020 audit period. On behalf of the PTA, GHD undertook baseline assessment for vegetation monitoring within the PRR including the establishment of five monitoring transects with three plots per transect.	R21-002_Emerge Associates_2020 ACR R21-015_Tranen_Autumn 2021 Monitoring Alkimos Vista Parks R21-007_Tranen_Spring 2021 Monitoring Alkimos Vista Parks R21-018_PTA_YRE Monitoring Baseline Assessment Report

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
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 16 separate days of weed control undertaken.	R21-011_Strategen_2019 ACR R21-015_Trannen_Autumn 2021 Monitoring Alkimos Vista Parks R21-016_Trannen_Alkimos Vista PAR 6 18 Sep 20 - 6 Jan 21 R21-017_Trannen_Alkimos Vista PAR 8 9 Jun 21-22 Sep 21
PRRMP 15	Weed and pathogen control	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.	R21-011_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.	D21-009_NEWest Alliance_Weekly Environmental Inspections D21-010_NEWest Alliance_Fortnightly Environmental Inspections R21-007_Trannen_Spring 2021 Monitoring Alkimos Vista Parks R21-015_Trannen_Autumn 2021 Monitoring Alkimos Vista Parks
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 16 separate days of weed control undertaken.	R21-011_Strategen_2019 ACR R21-015_Trannen_Autumn 2021 Monitoring Alkimos Vista Parks R21-016_Trannen_Alkimos Vista PAR 6 18 Sep 20 - 6 Jan 21 R21-017_Trannen_Alkimos Vista PAR 8 9 Jun 21-22 Sep 21
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.	R21-011_Strategen_2019 ACR R21-014_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 have stated that no vehicles entered the PRR rehabilitation areas during the reporting period. During remediation works where sections of the fencing were temporarily removed, no vehicles entered the rehabilitation areas. Revegetation activities by Tranen are currently undertaken on foot, and no subcontractors' vehicles are entering the site as part of these works.	D21-006_Georgiou _Alkimos Site Induction D21-018_PTA_PTA Annual Compliance Audit Matrix R21-007_Trannen_Spring 2021 Monitoring Alkimos Vista Parks R21-015_Trannen_Autumn 2021 Monitoring Alkimos Vista Parks
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 and NEWest inductions. Plant compliance checklists for Georgiou and NEWest include a clean on entry inspection. A 5 ton excavator entered the PRR for remediation purposes. The excavator kept to cleared tracks and areas disturbed. The excavator was cleaned down prior to entering the PRR. The excavator did not enter any PRR rehabilitation areas.	D21-006_Georgiou _Alkimos Site Induction D21-008_NEWest Alliance_Site Specific Orientation YRE D21-012_Georgiou_Plant Compliance Checklist Traxcavator D21-013_Georgiou_Plant Compliance Checklist Articulated Truck D21-014_PTA_Hygiene Certificate - Plant and Equipment Clean Down D21-015_PTA_Hygiene Certificate - Brush and Clean Down Record Sheet D21-018_PTA_PTA Annual Compliance Audit Matrix

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
PRRMP 22		Ensure any materials (soil, mulch etc) brought into PRR rehabilitation areas is certified dieback free.	During rehabilitation works	C	Seedlings were procured from Plantrite nursery which is NIASA certified. No other materials were brought into the PRR rehabilitation areas.	D21-033_Plantrite_NIASA Certificate R21-015_Tranen_Autumn 2021 Monitoring Alkimos Vista Parks R21-007_Tranen_Spring 2021 Monitoring Alkimos Vista Parks
PRRMP 23	Pest control	Conduct pest control in PRR, based on monitoring detecting significant pest presence.	Ongoing as required	C	Pest monitoring is undertaken in the PRR area as part of the ongoing Tranen PRR monitoring. Tranen found no evidence of any emu or rabbit presence or activity in the rehabilitation area. No small snails were observed on plants. Evidence of fox digging was observed by Tranen outside the rehabilitation area. Fox traffic through the site had been identified, but was not considered a significant issue and may offer some benefit to rehabilitation efforts, as the foxes would be expected to eliminate any rabbits in the area. Fox activity is not expected to impact on native vertebrate fauna as none have been observed within the fenced rehabilitation area. Evidence of fox activity will be checked regularly and control undertaken in the unlikely event that it is affecting vegetation or native fauna. PTA contractors observed kangaroo tracks in January 2021 and evidence of grazing in January and April 2021. No grazing was noted in August 2021.	R21-015_Tranen_Autumn 2021 Monitoring Alkimos Vista Parks R21-016_Tranen_Alkimos Vista PAR 6 18 Sep 20 - 6 Jan 21 R21-017_Tranen_Alkimos Vista PAR 8 9 Jun 21-22 Sep 21 R21-018_PTA_YRE Monitoring Baseline Assessment Report R21-019_PTA_YRE Condition 8 Monitoring Spring 2020 R21-020_PTA_YRE Condition 8 Monitoring Autumn 2021 R21-021_PTA_YRE Condition 8 Monitoring Spring 2021
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.	R21-011_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 Monitoring Report for the rehabilitation area.	R21-011_Strategen_2019 ACR R21-015_Tranen_Autumn 2021 Monitoring Alkimos Vista Parks R21-007_Tranen_Spring 2021 Monitoring Alkimos Vista Parks
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	Seed collection occurred prior to this audit period and was sourced from 50 ha of CBC habitat within the PRR, so no additional seed collection was required.	R21-015_Tranen_Autumn 2021 Monitoring Alkimos Vista Parks R21-007_Tranen_Spring 2021 Monitoring Alkimos Vista Parks
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	CLD	As per the 2019 ACR, areas for rehabilitation were selected by Tranen in consultation with Lendlease and Strategen-JBS&G.	R21-011_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.	R21-011_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.	R21-011_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.	R21-011_Strategen_2019 ACR
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.	R21-011_Strategen_2019 ACR R21-015_Tranen_Autumn 2021 Monitoring Alkimos Vista Parks

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
PRRMP 33		Procure seedlings of suitable provenance to conduct top-up planting in any areas not meeting density of 1.6 plants/m ² .	When monitoring indicates a density of 1.6 plants/m ² has not been met	N/A	The Tranen Autumn monitoring indicated that overall, the average stem density target of 1.6 plants/m ² is met within the PRR. However, it is not met within quadrats 2 and 3. Some areas are performing better than others and infill planting should be directed to the areas of lower relative density. Future seeds will be sourced from within 50 km as outlined in the Tranen Autumn monitoring report for areas that require further planting.	R21-015_Tranen_Autumn 2021 Monitoring Alkimos Vista Parks
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. Seedling planting was done after weed control, site scarification and direct seeding with provenance seed as detailed in the Post Activity Reports, including infill planting as stated in the Spring Monitoring Report for 2021. No areas were identified for direct seeding during the reporting period.	R21-011_Strategen_2019 ACR R21-015_Tranen_Autumn 2021 Monitoring Alkimos Vista Parks R21-007_Tranen_Spring 2021 Monitoring Alkimos Vista Parks R21-016_Tranen_Alkimos Vista PAR 6 18 Sep 20 - 6 Jan 21 R21-017_Tranen_Alkimos Vista PAR 8 9 Jun 21-22 Sep 21
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.	R21-011_Strategen_2019 ACR R21-016_Tranen_Alkimos Vista PAR 6 18 Sep 20 - 6 Jan 21 R21-017_Tranen_Alkimos Vista PAR 8 9 Jun 21-22 Sep 21
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.	R21-011_Strategen_2019 ACR R21-016_Tranen_Alkimos Vista PAR 6 18 Sep 20 - 6 Jan 21 R21-017_Tranen_Alkimos Vista PAR 8 9 Jun 21-22 Sep 21
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.	R21-011_Strategen_2019 ACR R21-016_Tranen_Alkimos Vista PAR 6 18 Sep 20 - 6 Jan 21 R21-017_Tranen_Alkimos Vista PAR 8 9 Jun 21-22 Sep 21
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.	R21-015_Tranen_Autumn 2021 Monitoring Alkimos Vista Parks R21-016_Tranen_Alkimos Vista PAR 6 18 Sep 20 - 6 Jan 21 R21-017_Tranen_Alkimos Vista PAR 8 9 Jun 21-22 Sep 21
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
4.5 Retention and management of Carnaby's Black Cockatoo nesting habitat						
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 previously completed for Precinct 1. No trees with hollows were identified within the YRE clearing area.	R21-011_Strategen_2019 ACR D21-001_Lendlease_Audit Checklist D21-018_PTA_PTA Annual Compliance Audit Matrix D21-036_Emerge Associates_Black Cockatoo Habitat Assessment Figure
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

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
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.	R21-002_Emerge Associates_2020 ACR
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.	R21-011_Strategen_2019 ACR
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	Artificial hollow number 420 was noted to require maintenance during the June 2021 monitoring event, as one of the chains had become loose. This was rectified prior to the November monitoring event. The remaining artificial hollows were in good condition and no other maintenance was required during the monitoring period. Hollows were observed to be in a generally good condition.	L21-001_Emerge Associates_2021 Black Cockatoo Artificial Hollow Monitoring
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 June 2021 and November 2021. The November inspection was conducted prior to the end of the breeding season. The inspection was undertaken at this time to observe the hollows during peak breeding season, in accordance with DBCA artificial hollow monitoring guidelines. The first survey event is before breeding season (May in 2020 and June in 2021) to check the condition of the hollows make sure they are ready for use, and the second survey is to detect evidence of black cockatoo usage.	L21-001_Emerge Associates_2021 Black Cockatoo Artificial Hollow Monitoring
5.1 Monitoring Program						
PRRMP 47	To delineate retained vegetation	Monitor 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 monitor PRR fencing and signage opportunistically during 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. PTA and NWA completed fortnightly environmental inspections of the PRR including fencing integrity.	R21-016_Tranen_Alkimos Vista PAR 6 18 Sep 20 - 6 Jan 21 R21-017_Tranen_Alkimos Vista PAR 8 9 Jun 21-22 Sep 21 D21-009_NEWest Alliance_Weekly Environmental Inspections D21-010_NEWest Alliance_Fortnightly Environmental Inspections D21-030_NEWest Alliance_Monthly Environmental Inspections
PRRMP 48		Monitor 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 for the YRE is managed under an internal NEWest Alliance 'Permit to Clear Land or Vegetation' system, whereby prior to clearing, boundaries were checked by a qualified surveyor and NWA Environmental personnel. Post clearing inspections were then conducted after by NWA Environmental personnel.	D21-001_Lendlease_Audit Checklist D21-024_PTA_Document Transmittal Footprint Areas D21-023_NEWest Alliance_Permit to Clear Land or Vegetation D21-035_PTA_Survey Verification D21-032_NEWest Alliance_Post-Clearing Inspection Checklists
PRRMP 49		Monitor total area cleared.	Annually during construction after clearing has commenced	C	Total area cleared is monitoring through annual compliance reporting to address Condition 1 of EPBC 2015/7561.	D21-001_Lendlease_Audit Checklist D21-024_PTA_Document Transmittal Footprint Areas D21-019_PTA_Yanchep Rail Extension (Part 1) Clearing- D21-023_NEWest Alliance_Permit to Clear Land or Vegetation D21-035_PTA_Survey Verification D21-032_NEWest Alliance_Post-Clearing Inspection Checklists

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
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	<p>Opportunistic visual inspections are undertaken by Tranen and if unauthorised access is identified, Tranen will notify Lendlease and it is then will be acted on accordingly.</p> <p>Tranen reported fencing repairs were carried out by following breaches by motorbikes and 4WDs during the 9 Jun 21-22 Sep 21 period . The entire site was inspected on 22 September 2021 and no signs of fence damage were found.</p> <p>Tranen have also documented clearing undertaken by DPLH to create firebreaks within the PRR, noting that this activity has significantly opened up the area to 4WD traffic from the west. However, the access to the area appeared minimal during the spring monitoring period and was primarily accessed by motorbikes along existing sand track with no damage to vegetation noted.</p> <p>PTA advised there was no unauthorised access during this period.</p>	<p>R21-007_Tranen_Spring 2021 Monitoring Alkimos Vista Parks</p> <p>R21-015_Tranen_Autumn 2021 Monitoring Alkimos Vista Parks</p> <p>R21-016_Tranen_Alkimos Vista PAR 6 18 Sep 20 - 6 Jan 21</p> <p>R21-017_Tranen_Alkimos Vista PAR 8 9 Jun 21-22 Sep 21</p> <p>D21-018_PTA_PTA Annual Compliance Audit Matrix</p>
PRRMP 51		Monitor 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	Monitor status of retained vegetation.	At handover to CoW or DBCA	N/A	Not required at this stage.	N/A
PRRMP 53	To monitor vegetation health	<p>Establish three permanent baseline vegetation monitoring quadrats within remnant native vegetation of the same vegetation type as rehabilitation areas to determine:</p> <ul style="list-style-type: none"> • native species composition of remnant native vegetation within PRR areas to determine suitable species for use in rehabilitation • 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 • baseline levels of weed infestation including list of weed species currently present within PRR areas • to inform general PRR condition monitoring. 	Prior to seed collection	C	Refer to PRRMP 13	Refer to PRRMP 13
PRRMP 54		Establish other permanent quadrats or transects as required to assist PRR condition monitoring and maintenance.	As required	C	<p>Tranen previously established four 10 x 10 m quadrats were established within a 50 m strip inside the PRR but immediately south of a cleared area.</p> <p>Clearing of a track for a fire break by DPLH has impacted significantly on quadrats QPRR2 and 3 as noted in the Autumn monitoring period. These quadrats were relocated during the Spring 2021 monitoring period. These quadrats will then remain within the specified 50 m of the eastern clearing area fence. Tranen noted that use of the new DPLH firebreak track by vehicles not attributable to Lendlease could result in the importation of weed seeds into all four PRR quadrats, potentially compromising future data that they were established to measure QPRR2 and 3 have been compromised by the construction of a track by persons unknown through them. Weed monitoring results in all four QPRR quadrats may be compromised by traffic on this track.</p> <p>PTA has previously established permanent monitoring plots within 50 m of the construction area. Monitoring of the existing plots (refer to PRRMP 13) was undertaken in Spring 2021.</p>	<p>R21-007_Tranen_Spring 2021 Monitoring Alkimos Vista Parks</p> <p>R21-015_Tranen_Autumn 2021 Monitoring Alkimos Vista Parks</p> <p>R21-018_PTA_YRE Monitoring Baseline Assessment Report</p> <p>R21-019_PTA_YRE Condition 8 Monitoring Spring 2020</p> <p>R21-020_PTA_YRE Condition 8 Monitoring Autumn 2021</p> <p>R21-021_PTA_YRE Condition 8 Monitoring Spring 2021</p>

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
PRRMP 55		Monitor vegetation health within 50 m adjacent to the construction area within the PRR including: <ul style="list-style-type: none"> weed density significant plant pathogens predation by significant pests 	Annually in spring following commencement of construction until handover to CoW or DBCA	C	<p>Tranen continue to monitor vegetation health within 50 m of the northern PRR boundary adjacent to clearing to the north. noting weed density, stem density and the presence of any predation/pathogens. This monitoring noted that weed control over the period was generally compliant. One exception was quadrat One in Autumn being slightly above the average of >1% in the analogue quadrats, this is not significant or of concern, but this was found to be compliant in the following Spring period. No mention of predation/pathogens was made. Tranen noted some weeds growing in the construction compound to the north of the revegetation area have potential to spread seeds into the revegetation area if not controlled by others. This applies to a lesser extent to the cleared area to the east.</p> <p>PTA carried out works within 50 m of the southern boundary of the PRR during the reporting period and established permanent monitoring plots within 50 m of the construction area in 2020, with Autumn and Spring monitoring carried out by Natural Area Consulting Management Services. Autumn monitoring was undertaken in 2021 and Spring Monitoring in 2020 and 2021.</p> <p>PTA reported two instances of sand discharge into the PRR during the reporting period. No residual impacts to vegetation condition or dominant native species present were recorded within the sediment washout areas reported 31 May and 20 June 2021. No damage to any vegetation present in the area was noted due to remediations works. Future monitoring events will continue to assess any notable impacts in this area.</p>	<p>R21-015_Tranen_Autumn 2021 Monitoring Alkimos Vista Parks</p> <p>D21-018_PTA_PTA Annual Compliance Audit Matrix</p> <p>R21-018_PTA_YRE Monitoring Baseline Assessment Report</p> <p>R21-019_PTA_YRE Condition 8 Monitoring Spring 2020</p> <p>R21-020_PTA_YRE Condition 8 Monitoring Autumn 2021</p> <p>R21-021_PTA_Metronet YRE APRR EMP</p> <p>E21-009_PTA_Notification of sediment discharge 1</p> <p>E21-010_PTA_Notification of sediment discharge 2</p> <p>L21-004_PTA_Follow-up Report for Remediation of Sediment Washout in PRR</p> <p>E21-011_Lendlease_Acknowledgement of Follow-up Report - PRR Discharge</p>
PRRMP 56	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.	D21-034_Tranen_Seed Bank Statement
PRRMP 57		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"> native species composition of remnant native vegetation within PRR areas to determine suitable species for use in rehabilitation 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 baseline levels of weed infestation including list of weed species currently present within PRR areas to inform general PRR condition monitoring. 	Monitoring annually in spring following rehabilitation, for five years	C	Refer to PRRMP 13	Refer to PRRMP 13
PRRMP 58		Monitor 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 completed vegetation health monitoring noting weed density, stem density and the presence of any predation/pathogens. Live weed cover was found to be acceptable in all relevant quadrats during the Autumn and Spring monitoring periods with the exception of Quadrant 1 in Autumn, which was found to be rectified during the Spring period.	<p>R21-007_Tranen_Spring 2021 Monitoring Alkimos Vista Parks</p> <p>R21-015_Tranen_Autumn 2021 Monitoring Alkimos Vista Parks</p>
PRRMP 59		Undertake monitoring of: <ul style="list-style-type: none"> overstorey and mid/understorey species (number and species types) number of primary feeding species for CBC. 	Monitoring annually in spring following rehabilitation, for five years	C	<p>Tranen have completed vegetation health monitoring noting weed density, stem density and the presence of any predation/pathogens.</p> <p>CBC feeding species stem densities greatly exceed the five-year target in all quadrats, as does species richness. The criteria relating to CBC species are all currently met, i.e. 1 plant / 10 m² to be a primary feeding species for CBC, with at least two primary feeding CBC species, plant forms to include over, mid and under storey, and there to be at least 8 native species.</p>	<p>R21-015_Tranen_Autumn 2021 Monitoring Alkimos Vista Parks</p> <p>R21-007_Tranen_Spring 2021 Monitoring Alkimos Vista Parks</p>

2021 Annual Compliance Report - EPBC 2015/7561

Alkimos Vista and Alkimos Central



Audit Code	Activity	Action	Timing	Conformance	Comment	Evidence
PRRMP 60	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 661		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 62		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
7.1 Review and audit						
PRRMP 63	PRRMP and technical review and adaptive management	PRRMP review shall be initiated: <ul style="list-style-type: none"> following significant incidents where monitoring indicates that performance is not being achieved against KPIs periodically every 12 months. 	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. Lendlease did not request information from PTA within the reporting period	R21-003_Strategen_Alkimos City Centre and Central PRRMP (Rev 4 PRRMP) D21-018_PTA_PTA Annual Compliance Audit Matrix
PRRMP 64		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	Refer to PRRMP 62
PRRMP 65		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"> 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) effectiveness of PRRMP coordination, scheduling, monitoring, risk management, auditing and reporting activities risks, including in response to the risk level changing circumstances or the results from implementing corrective actions 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. 	Annually	C	Refer to PRRMP 62	Refer to PRRMP 62