KARREMAN QUARRIES

Karreman Quarries Pty Ltd – ACN 010 168 742

Aggregate - Road Base - River Sand - Fill

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EPBC Annual Compliance Report
22 July 2025 – 21 July 2026

EPBC 2018/8340

West Mt Cotton Quarry Expansion





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Author	Christine Dewar & Darren Maxwell			

Declaration of accuracy

In making this declaration, I am aware that sections 490 and 491 of the *Environment Protection and Biodiversity Conservation Act 1999* (Cth) (EPBC Act) make it an offence in certain circumstances to knowingly provide false or misleading information or documents. The offence is punishable on conviction by imprisonment or a fine, or both. I declare that all the information and documentation supporting this compliance report is true and correct in every particular. I am authorised to bind the approval holder to this declaration and that I have no knowledge of that authorisation being revoked at the time of making this declaration.

Signed _____

Full name (please print): Darren Maxwell

Position (please print): Offsets Coordinator

Organisation (please print including ABN/ACN if applicable): Karreman Quarries 60010168742

Date: 14/10/2026

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1 INTRODUCTION

Karreman Quarries Pty Ltd (ACN 010 168 742) operates the Mount Cotton Quarry at 616–632 West Mount Cotton Road, Sheldon, within the Redland City Council local government area. The quarry is accessed from West Mount Cotton Road and occupies multiple land parcels. Lot 101 on SP334082 contains the main site entrance, processing areas and the northern portion of the existing resource pit, while the majority of the existing resource pit is located across Lots 3, 4 and 5 on RP186598.

Under the Queensland State Planning Policy (SPP), the lots comprising the existing quarry are identified within Key Resource Area KRA72. The quarry extracts a quartzite resource that is primarily used in the production of concrete and road base. Maintaining a reliable supply of this resource supports the ongoing delivery of critical infrastructure, housing and transport projects across the region.

Expansion of the quarry to access additional areas of the quartzite resource requires the clearing of vegetation that provides habitat for, or may provide habitat for, Matters of National Environmental Significance (MNES) protected under the Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act). Three MNES-listed species are known or considered likely to occur within the area proposed to be cleared:

- Koala (Phascolarctos cinereus)
- Greater Glider (Petauroides volans)
- Grey-headed Flying-fox (Pteropus poliocephalus)

The potential impacts of vegetation clearing and associated impacts on these MNES resulted in the proposed quarry expansion being referred to the Australian Government Department of Climate Change, Energy, the Environment and Water (DCCEEW) for assessment under the EPBC Act.

On 3 March 2022, DCCEEW approved the proposed expansion of the Mount Cotton Quarry under EPBC 2018/8340. The approval covers the existing quarry landholdings, together with two additional Lots—Lots 1 and 2 on RP186598—providing for a total expansion area of 51.52 ha. The additional Lots are located at 364-390 Avalon Road, Sheldon. The approval is effective until 31 March 2075.

The approved expansion will enable continued access to the quartzite resource within KRA72, supporting the long-term supply of aggregate products while providing a framework for managing potential impacts on MNES in accordance with the conditions of the EPBC Act approval.

DCCEEW determined that the expansion of the quarry would result in significant residual impacts to the three MNES species and that environmental offset were required to mitigate those impacts. This report provides details on the projects compliance with the offset requirements and its progress towards achieving the offset outcomes described in the approval.

2 PROJECT AREA

The project area, as defined in the EPBC approval, is shown in **Figure 1**. It comprises 51.52 ha, including the realignment of an electrical transmission line. **Table 1** provides further details about the project area, location and action. At the current rate of extraction and subject to market demand, the resource within the approved expansion area is expected to last 30–50 years.

Table 1. Site Details

Real Property Description	Lots 1 to 5 on RP186598
Street Address	356-400 Avalon Road, Mount Cotton Qld 4165
Registered Owners	Karreman Quarries Pty Ltd
ACN	010 168 742
Tenure	Freehold
Area of Lots (ha)	Lot 1 on RP186598
	Lot 2 on RP186598
	Lot 3 on RP186598
	Lot 4 on RP186598
	Lot 5 on RP186598
Approved expansion area (ha)	51.52
Local Government Area	Redland City Council
Key Resource Area	West Mount Cotton – KRA72
EPBC Approval No.	2018/8340
Approval Date	3 March 2022
Assessment Manager	Department of Climate Change, Energy, the Environment and Water (DCCEEW)
Action Commencement Date	22 July 2024
Annual Compliance Report Completion Date	14 October 2026
Compliance Reporting Period	22 July 2025 – 21 July 2026

3 PUBLICATION AND NOTIFICATION

This report will be published on the Karreman Quarries website (https://karreman.com.au/) on 14 October 2026 in compliance with Condition 24 of the EPBC approval. The report will remain on the website for the duration of the action. DCCEEW will be advised of the publication of this report no later than 21 October 2026, and the full report will be provided to DCCEEW at that time.

This Rev 2 document replaces the Rev 1 version of this report and includes minor edits addressing typographic errors and includes additional images in appendix F.

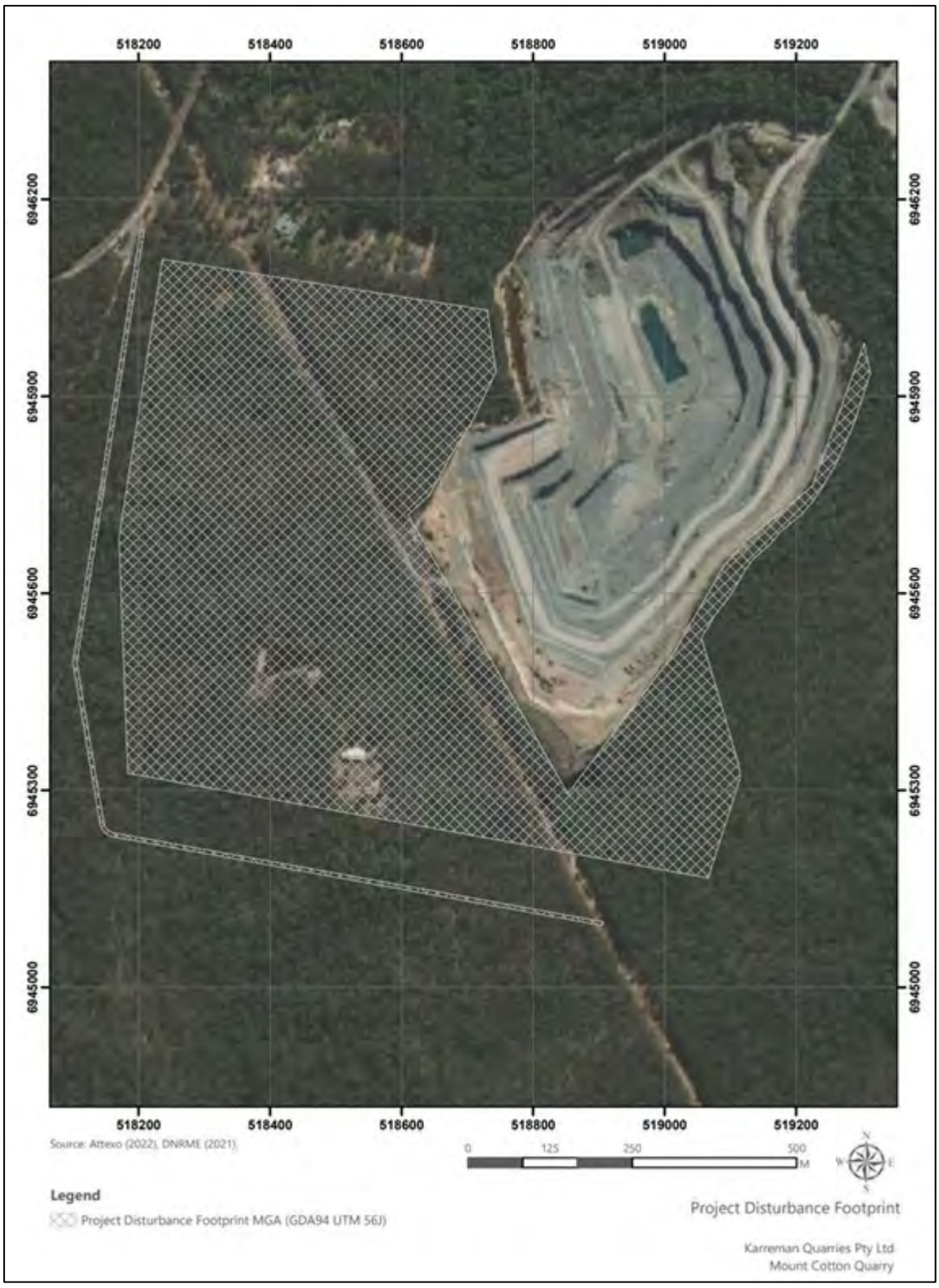


Figure 1. West Mount Cotton Quarry EPBC Project Area

4 EPBC COMPLIANCE SUMMARY

Table 2 provides a quick reference to the status of each EPBC condition: compliant, non-compliant or not yet applicable. Appendix A contains the detailed compliance assessment.

Table 2. EPBC Compliance Quick Reference – 2yr

EPBC Condition No.	Compliant	Non-Compliant	Not Yet Applicable	Comment
Maximum Clearing Limits				
1 Must not clear outside project area				Clearing outside the project area occurred in conjunction with Energex's installation of a new underground power line (refer to **Figure 1**, which shows the electrical easement on the western boundary). The approval holder was not responsible for the clearing which was conducted by Energex pursuant to its own legal Authority under Queensland law and this was reflected in audit findings. Rectification works are being planned in consultation with DETSI.
2 Clear ≤5ha/yr				2024: 4 ha; 2025: 4.81 ha; 2026 YTD: 0 ha
3 Habitat limits				2024–2026: within project limits
4 Koala protection				A fauna spotter-catcher was present, and a pre-clearance habitat survey was completed. See Section 5. 40km/hr onsite speed limits.
Environmental Offset Requirements				
5 Implement the three OAMPs				Only two OAMPs were in place before the commencement date; implementation works are now underway across the three approved offset sites.
6 Outcomes achieved				The project has not reached the 20-year timeframe to which these conditions apply.
7 Outcomes maintained				
8 HQS achieved				
9 HQS maintained				
Offset Implementation and Reporting				
10 5yr report				Project has not reached the 5-year interim nor 20-year timeframe where these conditions apply.
11 20yr report				
12 Interim & completion performance targets achieved				
13 OMP to achieve completion targets if needed				
14 Operations cease if 13 applies				
Legal Securing of Offsets				
15 Offsets secure within 12 months of Action				Offsets 1 and 2 are secured by Voluntary Declarations under the Vegetation Management Act 1999 (VDA). Offset 3 is not yet legally secured; this is the subject of an amendment application. The revised conditions will remove this non-compliance. The V Dec application has been

EPBC Condition No.	Compliant	Non-Compliant	Not Yet Applicable	Comment
				lodged and approved, and acceptance of the revised OAMP is pending.
16 Evidence of legal mechanism to secure offset provided to DCCEEW				DCCEEW was not notified within the required timeframe that project offsets had been secured. This historical non-compliance dates back to May 2024.
17 Legal mechanism remains in force				Legal mechanisms for Offsets 1 and 2 in place
Notification of commencement of the action				
18 Action date notified to DCCEEW				DCCEEW notified on 31 July 2024
19 Action commence within 5yr of approval.				Action commenced 22/3/2024
Compliance records				
20 Accurate & complete records				A dedicated project team exists
21 Provision of records to DCCEEW if requested				DCCEEW audit conducted April 2026
Submission and publication of plans				
22 Publish plans				
23 Data collection in accordance with The Guide & submitted DCCEEW				
Annual compliance reporting				
24 Annual compliance report				Compliant for 2025; the 2026 report is this document.
Reporting non-compliance				
25 Incidents & non-compliances notified to DCCEEW				Compliant within the current reporting period. The non-compliances identified during the audit did not require separate notification after the audit.
26 Incidents & non-compliances details provided to DCCEEW				Compliant. The audit identified non-compliances from the previous reporting period. Those non-compliances are administrative and associated with the current OAMP amendment application.
Independent audit				
27 Audits conducted 5 yearly				DCCEEW audit conducted April 2026
28 Audit provided to DCCEEW				Not yet relevant
29 Publish report				Not yet relevant
Revision of Management Plans				
30 Variation to plan				Revised management plans submitted to DCCEEW for approval
Completion of the action				
31 Action complete				

4.1 EPBC Compliance Audit

DCCEEW conducted a compliance audit of the project from April to May 2026. The audit addressed 19 relevant conditions and identified non-compliance with Conditions 5, 15 and 16. The audit report is published on the project website and is available at https://karreman.com.au/index.php/epbc-compliance/

The auditors found that Condition 5 "*To compensate for the clearance of habitat for protected matters up to the limits specified in condition 3, the approval holder must, prior to the commencement of the action and for the duration of this approval, implement all three plans that comprise the Offset Area Management Plans."* was non-compliant because works had not commenced on the Audale offset prior to commencement of the action. This occurred because the offset was the subject of an approval amendment that included reconfiguration of the offset boundary. Works commenced on this offset in March 2026.

Likewise, Condition 15, "The approval holder must legally secure all offset sites within 12 months from the date of the commencement of the action. The associated Offset Area Management Plans must be attached to the legal mechanism used to legally secure the offset sites", was found to be non-compliant because the Audale offset had not been legally secured.

Condition 16, "The approval holder must provide to the department evidence of the legal mechanism used to legally secure the offset sites within 5 business days of the legal mechanism being executed", was non-compliant because this evidence was not provided within the required timeframe due to an administrative oversight.

4.2 EPBC Non-Compliance

Non-compliances with EPBC 2018/8340 are recorded in the in-house quality system and reported to DCCEEW as required. The three non-compliances identified during the audit occurred in 2024.
A review of project activities undertaken in preparation for this 2026 compliance report found that clearing had occurred outside the project area. During 22 and 23 July 2024, habitat was cleared to realign the Energex powerline (this activity triggered commencement of the action) and the events were reported in the previous (2024 – 2025) compliance report.

The Approval holder notified DCCEEW of potential non-compliance on 14 April 2026. The clearing work was undertaken by Energex under its own legal authority under Queensland law. The event was not deemed to be non-compliance associated with the Proponent. However, Karreman Quarries Pty Ltd is preparing a rehabilitation plan, and restoration works are being discussed with the Queensland Department of the Environment, Tourism, Science and Innovation (DETSI).

The three non-compliances identified during the audit are described in Table 3.

Table 3. Non-compliances

Condition	Due date	Current status	Action owner	Evidence of completion	Residual risk
5	TBA	A draft VDec offer was received from the Department of Natural Resources on 1 May 2026. As the proposed amendment affects the boundary of the proposed offset, the VDec cannot be accepted until the amendment is resolved.	Karreman Offset Coordinator	NA	The property is owned by the approval holder, offset implementation has commenced, and there is limited risk to the offset or the associated habitat targets. Habitat monitoring during the current period showed that the offset had equalled or exceeded the Year 5 quality target for two of the three MNES and that significant progress towards the Year 5 target had been made for the third MNES.
15	TBA	Condition 15 relates directly to Condition 5. The draft VDec described above will resolve this non-compliance when the amendment is resolved.	Karreman Offsets Coordinator	NA	As above
16	Complete	This non-compliance is resolved. The department became aware of the status of the protection instruments during the audit, and the auditor advised that no further action was required.	Nil	EPBC Audit Report	Nil

5 EPBC APPROVAL STATUS

The EPBC approval is currently subject to two amendment applications. Both applications have progressed to the clearance stage and are expected to proceed through the following process:

- The Decision and Instrument Signing, Delegate Review: The assessment officer's report, along with the proposed variation of conditions or approval amendments, is sent to the authorized delegate (or the Environment Minister) for a final review.

- Execution of the Notice: If satisfied, the delegate will formally sign the official "Notice of Variation to Approval Conditions" or the formal amendment instrument.

- Publication and notification: The department will forward the signed variation decision to Karreman Quarries, and the decision will be published on the EPBC Act Public Portal for public viewing.

5.1 Amendment 1 Change to Offset Configuration

A change to the EPBC approval was submitted on 18 September 2024. It included a request to reconfigure Offset Site 3 (Audale) and proposed the introduction of Offset Site 4 (Fulham Road).

The changes to the offset package will increase the total offset area, incorporate greater habitat diversity and improve outcomes for the relevant MNES. The proposed changes will also better align with offset requirements under State approvals.

This amendment had been accepted in principle by DCCEEW as at 21 July 2026 and has progressed to the clearing phase and ministerial approval.

5.2 Amendment 2 Change to Approval Conditions

The proposed changes to approval Conditions 4–11 will facilitate the introduction of the fourth offset site and link certain administrative tasks to approval of Offset Area Management Plans (OAMPs), rather than to commencement of the action. These changes will allow the approval holder to better manage offset administration, including the legal securing of offsets and revisions to OAMPs.

The approval holder received correspondence from DCCEEW Post Approvals on 10 June 2026 that included revised approval conditions. These were reviewed by the approval holder and accepted on 30 June 2026. The revised conditions are currently awaiting ministerial review and finalisation.

6 SUMMARY OF APPROVAL CONDITIONS AND ASSOCIATED ACTIONS

The EPBC 2018/8340 approval contains 31 conditions (refer to Appendix A). These conditions are thematically grouped by compliance category or subject matter. Conditions within the same compliance category are generally interdependent, and the actions undertaken to ensure compliance with those conditions are likewise interdependent.

The following sections provide a summary of the approval conditions by subject matter and the associated actions undertaken by the approval holder to achieve compliance with the EPBC approval. The full EPBC approval conditions compliance table is provided in Appendix A.

6.1 MAXIMUM CLEARANCE LIMITS

6.1.1 Summary of Conditions 1–4

Conditions 1 and 2 of the EPBC approval permit vegetation clearing within the project area of up to 5 ha in any calendar year from the commencement of the Action. The project area is defined in Attachment 1 of the EPBC Approval.

Condition 3 establishes the maximum area of habitat that may be cleared within the approved project area for each protected matter:

- 51.52 ha of Koala habitat;
- 48.3 ha of Greater Glider habitat; and
- 48.3 ha of Grey-headed Flying-fox foraging habitat.

Condition 4 specifies measures to minimise impacts on Koalas during clearing and quarry operations, including requirements for fauna spotter-catchers, fencing and traffic-calming measures.

6.1.2 Associated Activities

No clearing activities relating to Conditions 1–4 were conducted during the reporting period. Clearing to date is unchanged from the 2025 compliance report and is shown in **Figure 2**. Condition 4c Koala fencing not yet required. Condition 4d is in place with onsite vehicle speed limits at 40km/hr.

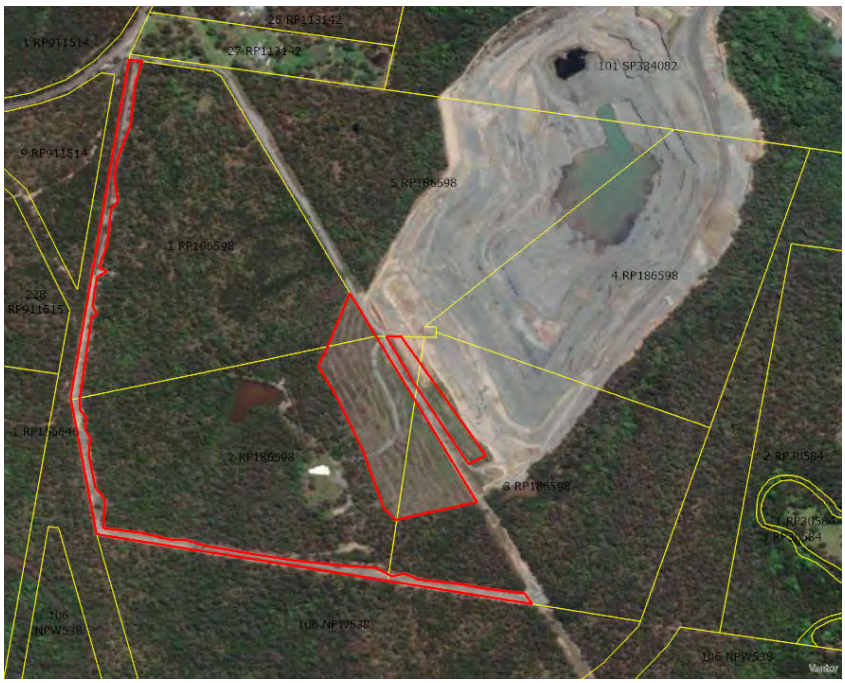


Figure 2. Project clearing – Source, Esri, Vantor, Geographics World Imagery (accessed 15 September 2026) WGS 1984 Web Mercator (auxiliary sphere)

6.2 Environmental Offset Requirements

6.2.1 Summary of Conditions 5 - 17

Under the EPBC Act, environmental offsets are required to compensate for significant residual impacts on protected matters. The action requires 299.64 ha of offsets, as detailed in **Table 4**.

Table 4. Summary Offset Sites Area of Impact and Offset Site Obligation

MNES Species	Area of impact (ha)	Pineapple Farm (48.81 ha)	University Farm (45.64 ha)	Audale (205.19 ha)	Total % of Impact Offset
		% of overall offset obligation	% of overall offset obligation	% of overall offset obligation	
Koala	51.52	24.26	22.36	53.82	100.44
Grey-headed Flying-fox	48.30	27.68	29.19	147.89	204.76
Greater Glider	48.30	20.09	32.90	143.58	196.57

EPBC approval Conditions 5–17 address the project's environmental offset requirements in the following categories:

- Environmental Offset Requirements (5–9)
- Offset Implementation and Reporting (10–14)
- Legal Securing of Offsets (15–17)

These conditions specify the offset areas and the habitat improvements required throughout the implementation period and provide specific restoration targets against which fieldwork is measured.

Condition 6 requires that within 20 years of the commencement of the action there is a quantifiable increase in the average habitat condition above the benchmark for each regional ecosystem (RE) within each offset site:

- >75% recruitment of woody perennial species in the ecologically dominant layer (EDL)
- > 50% and <200% tree canopy cover
- >70% tree canopy height
- >50% large trees
- >90% native tree species richness; and
- <4% (a reduction) in weed cover

Condition 8 requires increases in Biodiversity Habitat Quality Scores (HQS) at the offset sites, with target increases specified at Years 5, 10, 15 and 20 after commencement of the action. The action commenced on 22 July 2024 in association with habitat clearing.

Section 7 provides further details on works undertaken at the offset sites, together with comparative results from formal habitat surveys conducted between May and July 2026.

6.3 STANDARD ADMINISTRATIVE CONDITIONS

6.3.1 Summary of Conditions 18–31

Conditions 18 through 31 of the EPBC approval set out the administrative requirements that the approval holder must comply with during the life of the approval. These include:

- Notification of the commencement of the action
- The need to maintain compliance records
- Processes for the submission and publication of plans
- Annual compliance reporting
- Non-compliance processes
- Requirement for independent audits during the approval period
- Revision of management plans; and
- Completion of the action

These conditions establish timeframes for all administrative tasks associated with the action and the offsets, including the compliance reporting schedule shown in **Table 5**.

Table 5. Compliance reporting schedule

Condition	Pre-commence	12mth post-commence	Annual	Each 5yr	Yr5 2029	Yr 10 2024	Yr 15 2039	Yr 20 2042
OAMPs	■							
Annual Compliance Report		■	■					
Independent Audit				■				
Interim Reports					■	■	■	■
Completion Report								■

7 OFFSET IMPLEMENTATION

Implementation of the OAMPs has commenced at each of the three approved offset sites. During the 2025–2026 reporting period, numerous systems were established to support delivery of the OAMPs:

- Recruitment of an Offset Coordinator to manage the offset project;
- Recruitment of bush regeneration staff to conduct on-ground restoration activities;
- Development and launch of an online spatial data-management system to ensure that all works and management actions are captured spatially and temporally;
- Development of Survey 123 forms for the capture of formal ecological data for comparison against habitat targets, and
- Implementation of a resource and logistics planning platform.

Supporting OAMP reports have been reviewed, with updates pending:

- Fire Management Reports
- Pest Animal Monitoring and Management Plans
- Rehabilitation Reports; and
- Weed Survey Reports.

7.1 HABITAT QUALITY TARGETS

Condition 8 of the EPBC Approval sets out the habitat quality improvement required at each of the offset sites within 20 years of commencement of the Action. These targets are overarching, with more specific habitat condition targets specified in Condition 6 of the EPBC Approval. The targets are provided in **Table 7** and apply to all offset areas.

Table 6. Project Habitat Quality Score (HQS) 20-year Targets

MNES	Offset Site 1 Pineapple Farm	Offset Site 2 University Farm	Offset Site 3 Audale
Koala habitat	2 HQS unit increase	2 HQS unit increase	1 HQS unit increase
Greater Glider habitat	1 HQS unit increase	1 HQS unit increase	1 HQS unit increase
Grey-headed Flying-fox foraging habitat	2 HQS unit increase	3 HQS unit increase	2 HQS unit increase

Table 7. Habitat Condition 20-year Targets

Habitat condition indicator
a) Average recruitment of woody perennial species in the ecologically dominant layer greater than 75%
b) Average tree canopy cover greater than 50% (and less than 200%) of the benchmark for relevant Regional Ecosystems present
c) Average tree canopy height greater than 70% of the benchmark for relevant Regional Ecosystems present
d) Average number of large trees greater than 50% of the benchmark for relevant Regional Ecosystems present
e) Average native tree species richness greater than 90% of the benchmark for relevant Regional Ecosystems present
f) Average weed cover less than 4% of the benchmark for relevant Regional Ecosystems present

7.2 Habitat Assessment

Habitat condition surveys are conducted annually across the three offsets. The assessment follows the methodology outlined in the Guide to determining terrestrial habitat quality: methods for assessing habitat quality under the Queensland Environmental Offsets Policy, DETSI 2020 (The Guide (2020)). In 2026, these surveys were conducted between May and July.

The surveys are conducted on fixed monitoring sites consisting of one-half hectare plots that align to the location and frequency outlined in The Guide (2020). The parameters outlined in Table 8 were either directly measured or derived from the data.

Table 8. Weighted Habitat Quality Assessment (WHQA)

WHQA Assessment Parameters	Measured	Derived
Site Condition		
Large trees (Euc plus non-Euc)		
Tree canopy height (average of emergent, canopy, sub-canopy)		
Recruitment of woody perennial species in EDL		
Tree canopy cover (average of emergent, canopy, sub-canopy)		
Shrub canopy cover		
Coarse woody debris		
Native plant species richness - trees		
Native plant species richness - shrubs		
Native plant species richness - grasses		
Native plant species richness - forbes		
Non-native plant cover		
Native grass cover		
Organic litter		
Quality and availability of food and foraging habitat		
Quality and availability of shelter habitat		
Site Context		
Size of patch		
Connectedness		
Context		
Ecological Corridor		
Role of site location to species overall population in the State		
Threats to the species		
Species mobility capacity		

7.3 Protected Matter Register

During general offset monitoring, habitat monitoring and pest animal monitoring, a single koala was observed on the Audale offset. An injured koala was found, and a local wildlife care service, Pryde Wildlife – Koala Rescue and Protection, was contacted. The animal was relocated by the rescue service to an RSPCA facility, where the decision was made several days later to euthanise it. The RSPCA advised that the animal had significant head trauma and neurological damage, almost certainly the result of a fall. No greater gliders or grey-headed flying-foxes were observed during the period.

No spotlight survey was conducted on the offsets; this is a potential area for OAMP improvement in subsequent compliance periods.

Table 9. Protected matter register

Offset	Koala	Grey-headed flying fox	Greater glider
Pineapple Farm	Nil	Nil	Nil
University Farm	Nil	Nil	Nil
Audale	One koala, a two-year-old male weighing 2.4 kg, was found injured on 15 May 2026 and relocated to an RSPCA shelter.	Nil	Nil

7.4 Offset Site 1: Pineapple Farm

Offset Site 1, known as Pineapple Farm, is located at 293–297 Avalon Road, Sheldon, Queensland, and is formally described as Lot 1 on RP884860. The lot has a total area of approximately 53.64 ha, with 48.81 ha designated as the offset area. The offset site is located 1 km north-west of West Mount Cotton Quarry within a bioregional corridor connected to protected areas west of the site.

The site was previously used as a pineapple farm, and approximately 49.01 ha is mapped as predominantly non-remnant. Tingalpa Creek runs along the northern boundary, with remnant vegetation along the creek. Koala activity has been recorded at the site.

The site is legally secured by a (VDA) covering 48.81 ha. Habitat quality scores listed in **Table 10** have been prescribed for Years 0, 5, 10, 15 and 20. As the action commenced on 22 July 2024, the Year 5 HQS will apply at 22 July 2029.

Table 10. Offset Site 1 Pineapple Farm Habitat Quality Score (HQS) Targets

MNES	Pineapple Farm Habitat Quality Score			
	Year 0	Year 5	Year 10	Year 15
Koala	6.39	6.67	6.94	7.22
Grey-headed Flying-fox	6.16	6.53	6.90	7.27
Greater Glider	4.63	4.85	5.07	5.28

Two Regional Ecosystems, as defined by the Queensland Herbarium, occur on the site: (i) RE 12.11.24, which includes remnant and non-remnant areas; and (ii) RE 12.3.11a, mapped as remnant. Three assessment units (AUs) have been mapped based on these ecosystems. Nine habitat survey sites are located on the site. **Table 12** provides photographic representations of these ecosystems at Pineapple Farm.

7.4.1 Habitat Condition Assessment

Habitat monitoring was conducted at Pineapple Farm in May, June and July 2026 by suitably qualified persons. Monitoring commenced in late May and was delayed by a period of rainfall (more than 250 mm in April and May). Appendix C provides the Pineapple Farm habitat assessment data for the 2025–2026 monitoring period, and the collated results are presented in Appendix B, Weighted Habitat Quality Assessment Summary. Significant improvements were recorded since the baseline data was collected. The WHQA results for the offset are presented in **Table 11** below in comparison with the Year 5 targets.

Table 11. Offset Site 1 Pineapple Current WHQS versus Year 5 targets

MNES	Pineapple Farm Habitat Quality Score	
	Year 2 - 2026	Year 5
Koala	6.61	6.67
Grey-headed Flying-fox	6.73	6.53
Greater Glider	4.85	4.85

The WHQS presented above assumes no changes to the derived habitat indicators for quality of food and foraging habitat, quality and availability of shelter, or threats to species, and is based conservatively on the site condition only. Two of the Year 5 targets (GHFF and GG) have been met, while the Koala habitat score has improved substantially.

7.4.2 Status of Management Actions as per OAMP

Table 13 summarises the status of Pineapple Farm management actions at the end of the 2026 reporting period. Works included barbed wire removal, signage installation, weed control (both primary and secondary), tree fertilisation, soil decompaction, rubbish removal, aerial seeding of native trees and shrubs, and preparation for supplementary tree planting.

Pest animal monitoring was conducted to establish the pest baseline, and pest animal management actions are being developed. Appendix D provides further evidence of works conducted to date.

Table 12. Pineapple Farm Regional Ecosystem photographic representation

RE	Description	Example site photo	Vegetation Status
12.3.11	*Eucalyptus tereticornis* +/- *Eucalyptus siderophloia, Corymbia intermedia* open forest on alluvial plains usually near coast.		Remnant
12.11.24	*Eucalyptus carnea* or *E. tindaliae, Corymbia intermedia* +/- *E. siderophloia* or *E. crebra* woodland on metamorphics +/- interbedded volcanics.		Remnant
			Regrowth
			Non-remnant

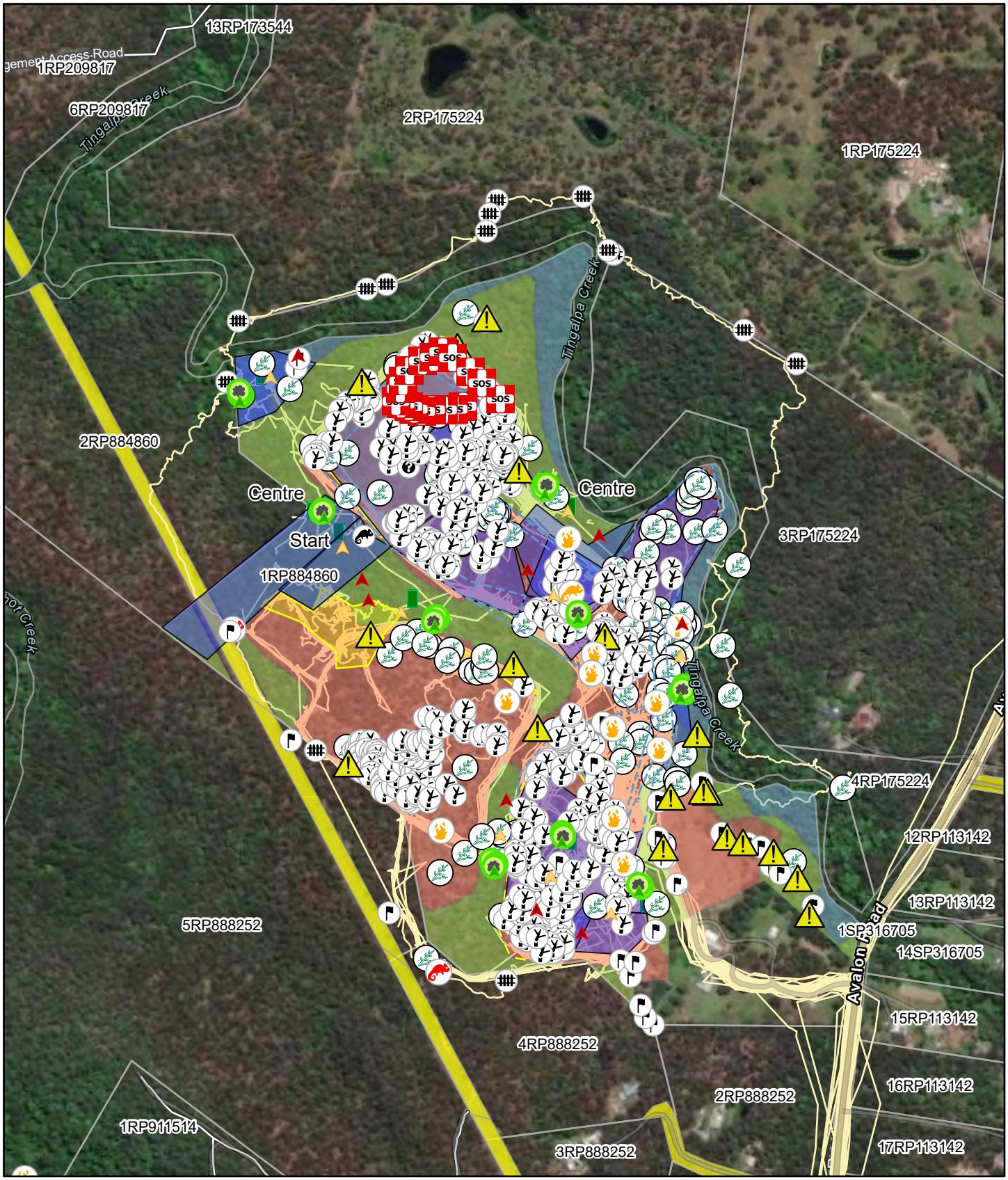
Table 13. Pineapple Farm Management Actions – 2yr

Pineapple Farm Management Activity	Performance Objectives	Management Actions	Status
Fencing	Works completed within 6 months of OMP implementation	Remove barbed wire fencing	Completed
	Works completed within 1 year of OMP implementation	Install fauna friendly fencing	Not required. Barbed wire has been removed, and the remaining fences consist of plain wire. Adjoining lands include a conservation area, and these boundaries do not require fencing. An update to the management plan is required.
	Installation completed and fences tested. Monthly inspection whilst in place and photographic evidence of inspection completed.	Temporary electric fencing to planting areas	Not yet applicable. No new planting occurred during the current period. It has been assessed that tree guards will be a more practical option when planting occurs; an update to the management plan is required.
	Annual inspection completed and evidence of inspection collected and provided in monitoring report	Maintain fences	Completed, photographic evidence is provided in Appendix F.
	Signage design completed within 6 months of securing offsets. Signage installed within 12 months of securing offsets Annual inspection and evidence collected for monitoring report.	Signage	Completed
Weed control	Completed two years prior to planting	Primary pre-planting weed control	Completed to all areas
	Bimonthly weed control after planting	Post planting weed control	Not yet applicable
	Program commenced and ongoing	General weed control program	Weed control has been ongoing
	Monitoring completed & report prepared	Monitoring	Completed

Pineapple Farm Management Activity	Performance Objectives	Management Actions	Status
Vegetation species richness	Management actions identified during monitoring completed	Adaptive management	Preparation for supplementary planting to enhance richness has been completed.
Stem density	Sufficient certified seed collected, and certification received. Spatial data of collection sites provided.	Seed collection	Provenance seed has been collected opportunistically and other seed purchased from local suppliers.
	Cells seeded, evidence collected Cells ready for planting Cells reflect correct composition for RE Provision of certification statement from contracted nursery on tray composition and provenance of seedling stock	Seedling production	Plant production has been commissioned based on RE technical descriptions. Provenance information has yet to be supplied.
	Agronomist commissioned Soil survey program prepared & completed Agronomist's report completed Completion of field program	Soil testing, soil amelioration and fertiliser program	An agronomist has been commissioned to assess the soil conditions; the work has been scheduled but is yet to commence, the study is expected to be completed in December 2026.
	Trees planted to 1,600 stems per ha; Koala and GHFF habitat-tree composition reflects the technical description for the RE.	Primary planting	Not yet applicable
	Thinning complete Planting plan developed Direct seeding plan developed (palletisation, insecticide treatments, pre-sowing requirements etc.) Provenance seed collected, cleaned and certified Planting and seeding completed	Thinning and secondary planting and seeding	Not yet applicable

Pineapple Farm Management Activity	Performance Objectives	Management Actions	Status
	Planting plan developed Direct seeding plan developed (palletisation, insecticide treatments, pre-sowing requirements etc.) Provenance seed collected, cleaned and certified Planting and seeding completed	Tertiary planting and seeding	Not yet applicable
Coarse woody debris	Monitoring completed & report prepared	Monitoring	Completed for the current period
	Management actions identified during monitoring completed	Adaptive management	Not yet applicable
Promotion of early flowering trees in GHFF and Greater Glider habitat trees	Agronomist commissioned Soil survey program prepared & completed Agronomist's report completed Completion of field program	Soil testing, soil amelioration and fertiliser program	Not yet applicable. This relates to planted stock, and no planting has occurred at the offset.
	Monitoring completed & report completed	Monitoring	Completed
	Management actions identified during monitoring completed	Adaptive management	Not yet applicable
Management of refuge trees, trees with dense crowns and large trees	Monitoring completed & report completed	Monitoring	Not yet applicable
	Management actions identified during monitoring completed	Adaptive management	Not yet applicable
Management of hollow development	Hollow density within site identified 3 years post the implementation of the OMP If minimum hollow density not met, employ Glider Chainsaw Hollow methods (Griffiths et al. 2018) and monitor Monitoring of natural and artificial hollows completed & report prepared	Record number of hollows present	Not yet applicable

Karreman Offset Field Map



01/10/2026

1:8,248

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

Transect
- Start
- Middle
- End
- Site

Fire Point
- Pending

Safety
- Emergency Evacuation Point - Current

- Hazard - Current

Observations - Point
- Erosion
- Fencing
- Fauna - General
- Fauna - Pest
- Fauna - Threatened
- Flora - General
- Flora - Pest
- General
- Tracks
- Point

Weed Collection - Area
- Primary
- Editable polyline
- Editable polygon

- Offset BC Sites 2026 Rev 3

Offset assement units MGA v6
- AU1
- AU3
- AU2
- Survey Track Lines
- Base, Lot Type Parcel

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Created by Adam Tolo & updated by Fan. Based off an existing Survey123 BioCondition form., Service created by Adam Tolo with input from Peter Brennan, Chris Beavon and Serge Simic., Attexo, Created by Adam Tolo. Schema provided by Chris Beavon. Input from

7.5 OFFSET SITE 2: UNIVERSITY FARM

Offset Site 2, known as University Farm, is located at 1050 Mount Cotton Road, Mount Cotton, Queensland. The site comprises four lots with a total area of 51.52 ha, of which 45.64 ha is legally secured under a VDA as the offset area. The offset site is located 5 km east of West Mount Cotton Quarry.

The site is currently used for pastoral purposes, and approximately 45.51 ha is mapped as predominantly non-remnant. Sandy Creek runs along the northern and eastern boundaries, with remnant vegetation along the creek. Koala activity has been recorded at the site. The designated offset area follows Sandy Creek, which increases the riparian width.

Habitat quality scores listed in **Table 14** have been prescribed for Years 0, 5, 10 and 15. The Year 5 HQS will apply by 22 July 2029.

Table 14. Offset Site 2 University Farm Habitat Quality Score (HQS) Targets

MNES	University Farm Habitat Quality Score			
	Year 0	Year 5	Year 10	Year 15
Koala	4.67	5.24	5.81	6.38
Grey Headed Flying Fox	5.09	5.72	6.36	7.00
Greater Glider	3.69	4.13	4.57	5.01

Three Regional Ecosystems, as defined by the Queensland Herbarium, occur on the site: (i) RE 12.3.11, which includes remnant and non-remnant areas; (ii) RE 12.11.24, mapped as regrowth and non-remnant; and (iii) RE 12.11.27, mapped as remnant. Three assessment units (AUs) have been mapped based on these ecosystems. Nine habitat survey sites are located on the site. **Table 16** provides photographic representations of these ecosystems at University Farm.

7.5.1 Habitat Condition Assessment

Habitat monitoring was conducted at Offset Site 2 (University Farm) in May and June 2026 by suitably qualified persons. Monitoring commenced in late May site access was delayed as a result of rainfall. Appendix B contains the University Farm WHQA summary for 2025–2026, while Appendix C provides summarised site data from the assessments.

Table 15. Offset Site 2 University Farm Current WHQS versus Year 5 targets

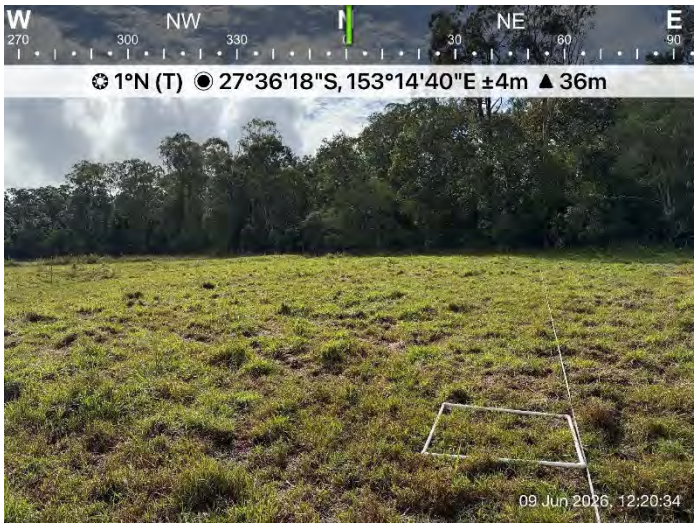
MNES	Pineapple Farm Habitat Quality Score	
	Year 2 - 2026	Year 5
Koala	4.87	5.24
Grey-headed Flying-fox	5.60	5.72
Greater Glider	3.89	4.13

The offset site improved against the five-year targets despite substantial tree planting being required, that work remained in the preparation phase during the 2025–2026 period; no habitat-quality benefit accrued from that activity. The WHQS presented above assumes no changes to the derived habitat indicators for quality of food and foraging habitat, quality and availability of shelter, or threats to species, and is based conservatively on the site condition only.

7.5.2 Status of Management Actions as per OAMP

Table 17 summarises the University Farm management actions undertaken during the 2025–2026 reporting period. **Table 16** provides images of the assessment units as they appeared during the habitat assessment work.

Table 16. University Farm Regional Ecosystem photographic representation

RE	Description	Example site photo	Vegetation Status
12.3.11	*Eucalyptus tereticornis* +/- *Eucalyptus siderophloia, Corymbia intermedia* open forest on alluvial plains usually near coast.		Remnant
			Non-remnant
12.11.24	*Eucalyptus carnea* or *E. tindaliae, Corymbia intermedia* +/- *E. siderophloia* or *E. crebra* woodland on metamorphics +/-		Regrowth

RE	Description	Example site photo	Vegetation Status
	interbedded volcanics.		Non-remnant
12.11.27	*Eucalyptus racemosa* subsp. *racemosa* and/or *E. seeana* and *Corymbia intermedia* woodland on metamorphics +/- interbedded volcanics.		Remnant
			Regrowth

Table 17. University Farm Management Actions – 2yr

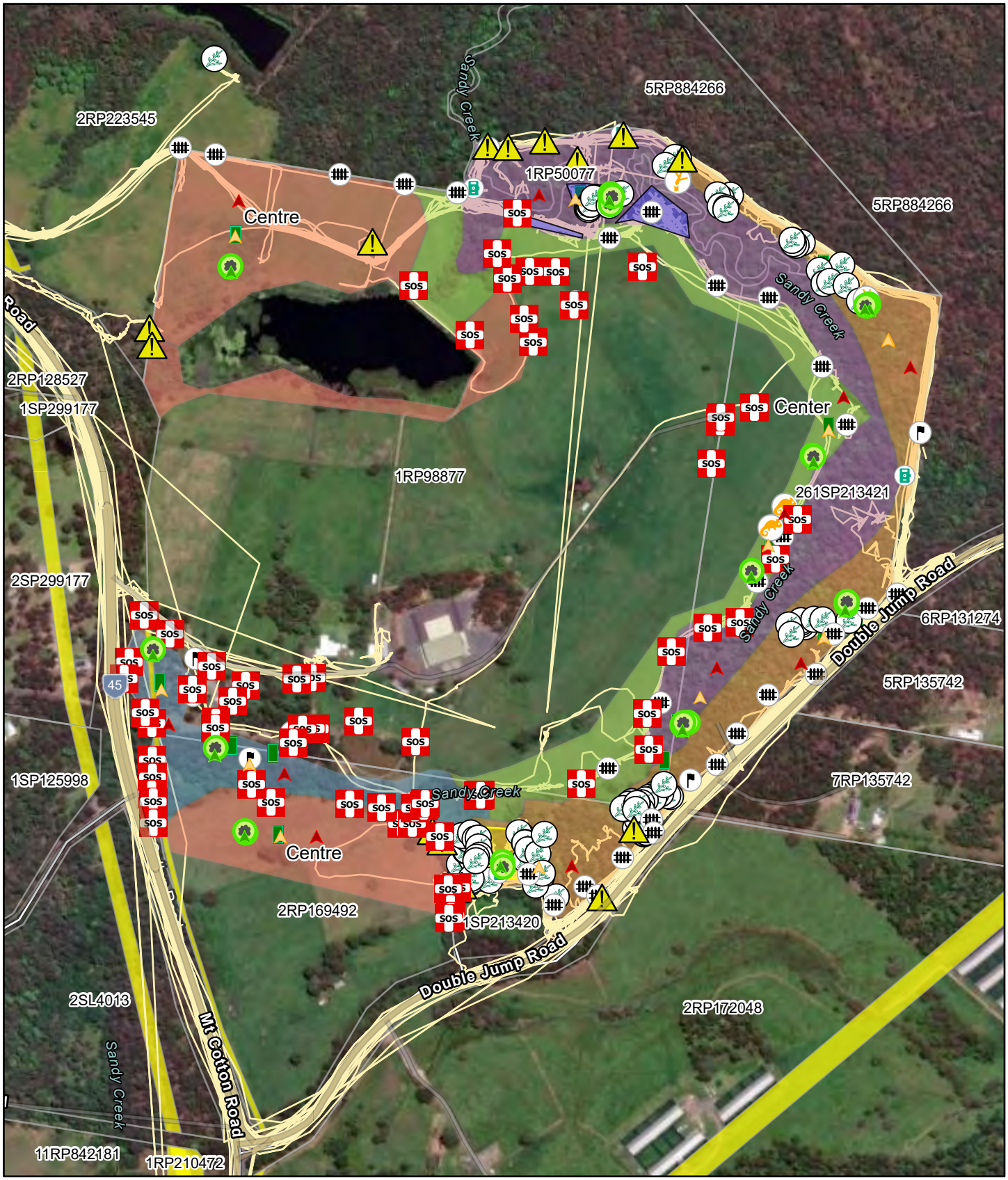
University Management Activity	Performance Objectives	Management Actions	Status
Fencing	Works completed within 6 months of OAMP implementation	Remove barbed wire fencing	Complete
	Works completed within 1 year of OAMP implementation	Install fauna friendly fencing	In progress, some changes to the works described in the OAMP are required and the OAMP will be updated accordingly.
	Installation completed and fences tested. Monthly inspection whilst in place and photographic evidence of inspection completed.	Temporary electric fencing to planting areas	Not yet applicable
	Annual inspection completed and evidence of inspection collected and provided in monitoring report	Maintain fences	In progress
	Signage design completed within 6 months of securing offsets. Signage installed within 12 months of securing offsets. Annual inspection and evidence collected for monitoring report.	Signage	Completed
Weed control		Primary pre-planting weed control	In progress
		Post planting weed control	Not yet applicable
		General weed control program	In progress
Vegetation species richness	Monitoring completed & report prepared	Monitoring	Completed for the period
	Management actions identified during monitoring completed	Adaptive management	In progress

University Management Activity	Performance Objectives	Management Actions	Status
Stem density	Sufficient certified seed collected, and certification received. Spatial data of collection sites provided.	Seed collection	In progress. Seed collected on site has been recorded in the spatial database; other seed was provided by local suppliers with general provenance information only.
	Cells seeded, evidence collected Cells ready for planting Cells reflect correct composition for regional ecosystem Provision of a certification statement from the contracted nursery on tray composition and the provenance of seedling stock	Seedling production	In progress
	Agronomist commissioned Soil survey program completed Agronomist's report completed Completion of field program	Soil testing, soil amelioration and fertiliser program	In progress
	Trees planted to 1,600 stems per ha; Koala and GHFF habitat-tree composition reflects the technical description for the regional ecosystem.	Primary planting	Not yet applicable
	Thinning complete Planting plan developed Direct seeding plan developed (palletisation, insecticide treatments, pre-sowing requirements etc.) Provenance seed collected, cleaned and certified Planting completed	Thinning and secondary planting and seeding	Not yet applicable

University Management Activity	Performance Objectives	Management Actions	Status
	Planting and seeding completed		
	Planting plan developed Direct seeding plan developed (palletisation, insecticide treatments, pre-sowing requirements etc.) Provenance seed collected, cleaned and certified Planting and seeding completed	Tertiary planting and seeding	Not yet applicable
Coarse woody debris	Monitoring completed & report prepared	Monitoring	Completed for the period
	Management actions identified during monitoring completed	Adaptive management	Not yet applicable
Promotion of early flowering trees in GHFF and Greater Glider habitat trees	Agronomist commissioned Soil survey program completed Agronomist's report completed Completion of field program	Soil testing, soil amelioration and fertiliser program	Not yet applicable
	Monitoring completed & report completed	Monitoring	Not yet applicable
	Management actions identified during monitoring completed	Adaptive management	Not yet applicable
Management of refuge trees, trees with dense crowns and large trees	Monitoring completed & report completed	Monitoring	Not yet applicable
	Management actions identified during monitoring completed	Adaptive management	Not yet applicable
Management of hollow development	Hollow density within site identified 3 years post the implementation of the OAMP	Record number of hollows present	Not yet applicable

University Management Activity	Performance Objectives	Management Actions	Status
	If minimum hollow density not met, employ Glider Chainsaw Hollow methods (Griffiths et al. 2018) and monitor Monitoring of natural and artificial hollows completed Monitoring report prepared		
	Suitable Greater Glider Hollow density meets or exceeds 6 per ha	Increase number of hollows	Not yet applicable
	Management actions identified during monitoring completed	Adaptive management	Not yet applicable
Fire	Fire management plan completed	Fire management plan	In progress
	Completion of actions described in fire management plan	Fire field works	Not yet applicable
	Monitoring completed & report prepared	Monitoring	Not yet applicable
	Management actions identified during monitoring completed	Adaptive management	Not yet applicable
Pest animal control	Monitoring and Management Plan completed for all offsets	Develop monitoring and management plan	Completed
	Monitoring program in place	Monitoring	Completed
	Management actions identified	Adaptive management	In progress

Karreman Offset Field Map



01/10/2026

1:8,248

0 0.05 0.1 0.2 mi

0 0.1 0.2 0.4 km

Transect
- Start
- Middle
- End
- Site

Safety
- Emergency Evacuation Point - Current
- Hazard - Current

Observations - Point
- Fencing
- Fauna - Pest
- Flora - Pest
- General

Deployed Equipment
- In Field
- Point

Weed Collection - Area
- Primary
- Editable polygon
- Offset BC Sites 2026 Rev 3

Offset assement units MGA v6
- AU1
- AU3
- AU2
- AU4
- AU5
- Survey Track Lines
- Base, Lot Type Parcel

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Created by Adam Tolo & updated by Fan. Based off an existing Survey123 BioCondition form., Service created by Adam Tolo with input from Peter Brennan, Chris Beavon and Serge Simic., Attexo, Created by Adam Tolo. Schema provided by Chris Beavon. Input from

7.6 OFFSET SITE 3: AUDALE

Located on Dwyer Road, Tarome, the Audale offset site comprises five lots. The total offset area is 205.19. A draft VDec offer is pending resolution of the OAMP amendment. The site is located 80 km west of Mount Cotton Quarry.

The site was previously used for mixed pastoral purposes and Koala activity has been recorded at the site.

Habitat quality scores listed in **Table 18** have been prescribed for Years 0, 5, 10 and 15. The Year 5 HQS will apply by 22 July 2029.

Table 18. Offset Site 3 Audale Habitat Quality Score (HQS) Targets

MNES	Audale Habitat Quality Score			
	Year 0	Year 5	Year 10	Year 15
Koala	5.50	5.86	6.22	6.59
Grey Headed Flying Fox	6.27	6.61	6.95	7.30
Greater Glider	3.62	4.09	4.56	5.03

Three Regional Ecosystems, as defined by the Queensland Herbarium, occur on the site: (i) RE 12.3.7, which includes remnant and regrowth areas; (ii) RE 12.8.17, mapped as remnant and regrowth. Three assessment units (AUs) have been mapped based on these ecosystems. Nine BioCondition survey sites are located on the site. **Table 20** provides photographic representations of these ecosystems at Audale.

7.6.1 Habitat Condition Assessment

BioCondition monitoring was conducted at Offset Site 3 (Audale) in May, June and July 2026 by suitably qualified persons. Monitoring commenced in late May following a period of rainfall (more than 250 mm in April and May). Appendix B contains the Audale BioCondition Assessment for 2025–2026.

Table 19. Offset Site 3 Audale Current WHQS versus Year 5 targets

MNES	Audale Habitat Quality Score	
	Year 2 - 2026	Year 5
Koala	5.86	5.86
Grey-headed Flying-fox	7.07	6.61
Greater Glider	3.89	4.09

The WHQS presented in Table 19above assumes no changes to the derived habitat indicators for quality of food and foraging habitat, quality and availability of shelter, or threats to species, and is based conservatively on the site condition only. Habitat improvement over baseline was recorded across all three values, with Koala and Grey-headed Flying-fox habitat values reaching the Year 5 target.

7.6.2 Status of Management Actions as per OAMP

Table 21 summarises the Audale management actions undertaken during the 2025–2026 reporting period. **Table 20** provides images of the assessment units as they appeared during the habitat assessment work. Regional ecosystem RE12.3.3 was not assessed for habitat quality because the assessment unit will not form part of the offset area when the amendment is finalised .

Table 20. Audale Regional Ecosystem photographic representation

RE	Description	Example site photos	Vegetation Status
12.3.7	*Eucalyptus tereticornis, Casuarina cunninghamiana* subsp. *Cunninghamiana +/- Melaleuca* spp. fringing woodland		Remnant
			Regrowth
12.8.17	Mixed woodland with combinations of *Eucalyptus crebra, E. melanophloia, E. tereticornis, Corymbia tessellaris, C. intermedia* woodland on Cainozoic igneous rocks.		Remnant
			Regrowth

Table 21. Audale Management Actions – 2yr

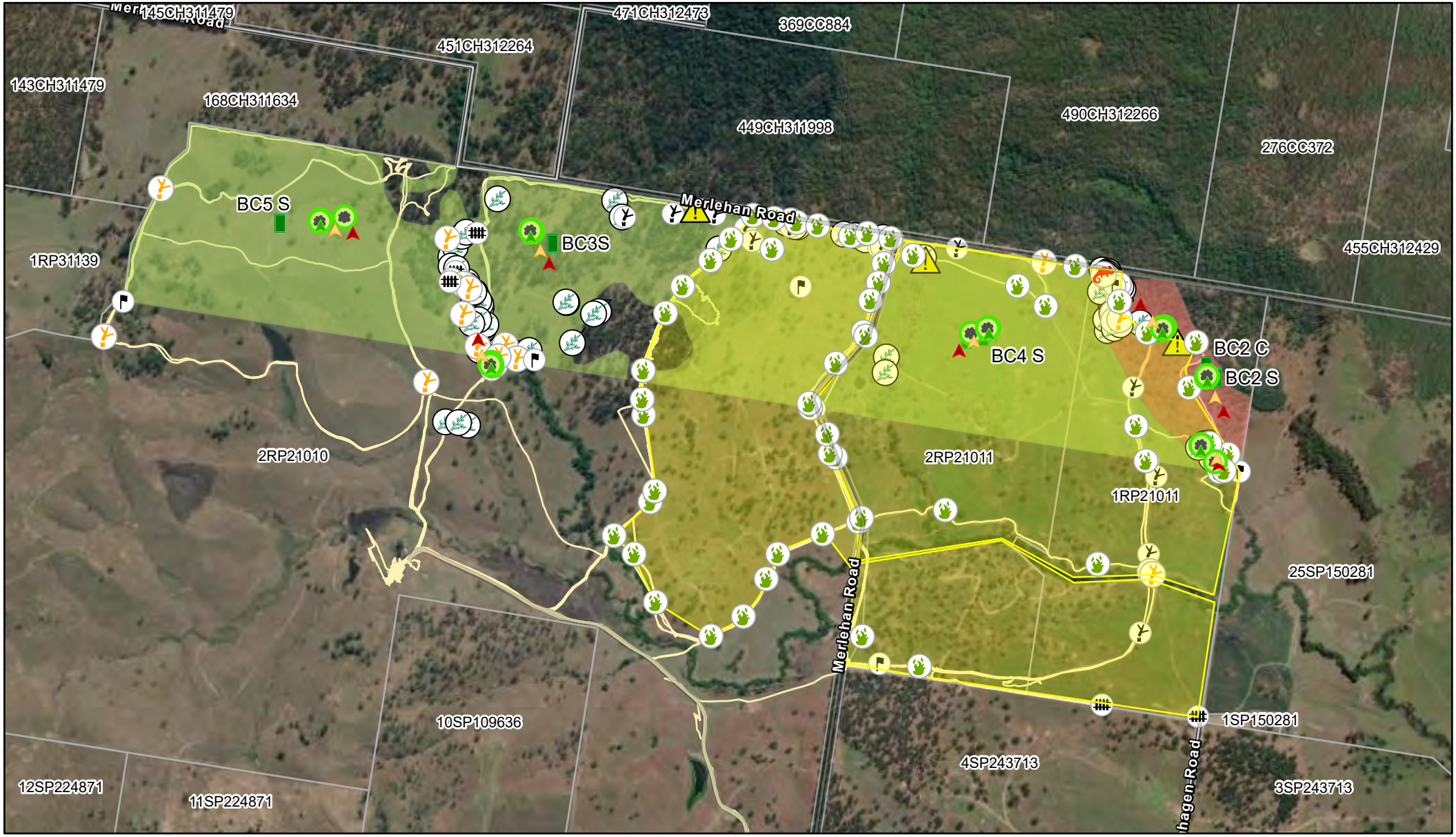
Audale Management Activity	Performance Objectives	Management Actions	Status
Fencing	Works completed within 6 months of OAMP implementation	Remove barbed wire fencing	Completed
	Works completed within 1 year of OAMP implementation	Install fauna friendly fencing	In progress
	Installation completed and fences tested. Monthly inspection whilst in place and photographic evidence of inspection completed.	Temporary electric fencing to planting areas	Not yet applicable
	Annual inspection completed and evidence of inspection collected and provided in monitoring report	Maintain fences	Ongoing
	Signage design completed within 6 months of securing offsets. Signage installed within 12 months of securing offsets Annual inspection and evidence collected for monitoring report.	Signage	Completed
Weed control		Primary pre-planting weed control	Completed
		Post planting weed control	Not yet applicable
		General weed control program	Undertaken and ongoing
Vegetation species richness	Monitoring completed & report prepared	Monitoring	Completed for the period
	Management actions identified during monitoring completed	Adaptive management	Revised OAMP currently under review with DCCEEW

Audale Management Activity	Performance Objectives	Management Actions	Status
Stem density	Sufficient certified seed collected, and certification received. Spatial data of collection sites provided.	Seed collection	Ongoing
	Cells seeded, evidence collected Cells ready for planting Cells reflect correct composition for regional ecosystem Provision of a certification statement from the contracted nursery on tray composition and the provenance of seedling stock	Seedling production	Not yet applicable
	Agronomist commissioned Soil survey program completed Agronomist's report completed Completion of field program	Soil testing, soil amelioration and fertiliser program	Commissioned and expect to be finalised by the end of October 2026
	Trees planted to 1,600 stems per ha; Koala and GHFF habitat-tree composition reflects the technical description for the regional ecosystem.	Primary planting	Not yet applicable
	Thinning complete Planting plan developed Direct seeding plan developed (palletisation, insecticide treatments, pre-sowing requirements etc.) Provenance seed collected, cleaned and certified Planting completed Planting and seeding completed	Thinning and secondary planting and seeding	Not yet applicable
	Planting plan developed	Tertiary planting and seeding	Not yet applicable

Audale Management Activity	Performance Objectives	Management Actions	Status
	Direct seeding plan developed (palletisation, insecticide treatments, pre-sowing requirements etc.) Provenance seed collected, cleaned and certified Planting and seeding completed		
Coarse woody debris	Monitoring completed & report prepared	Monitoring	Undertaken, ongoing
	Management actions identified during monitoring completed	Adaptive management	Not yet applicable
Promotion of early flowering trees in GHFF and Greater Glider habitat trees	Agronomist commissioned Soil survey program completed Agronomist's report completed Completion of field program	Soil testing, soil amelioration and fertiliser program	Not yet applicable
	Monitoring completed & report completed	Monitoring	Not yet applicable
	Management actions identified during monitoring completed	Adaptive management	Not yet applicable
Management of refuge trees, trees with dense crowns and large trees	Monitoring completed & report completed	Monitoring	Undertaken, ongoing
	Management actions identified during monitoring completed	Adaptive management	Not yet applicable
Management of hollow development	Hollow density within site identified 3 years post the implementation of the OAMP If minimum hollow density not met, employ Glider Chainsaw Hollow methods (Griffiths et al. 2018) and monitor	Record number of hollows present	Not yet applicable

Audale Management Activity	Performance Objectives	Management Actions	Status
	Monitoring of natural and artificial hollows completed Monitoring report prepared		
	Suitable Greater Glider Hollow density meets or exceeds 6 per ha	Increase number of hollows	Not yet applicable
	Management actions identified during monitoring completed	Adaptive management	Not yet applicable
Fire	Fire management plan completed	Fire management plan	Completed
	Completion of actions described in fire management plan	Fire field works	Fire conducted on 14 April 2026.
	Monitoring completed & report prepared	Monitoring	Undertaken, ongoing
	Management actions identified during monitoring completed	Adaptive management	Not yet applicable
Pest animal control	Monitoring and Management Plan completed for all offsets	Develop monitoring and management plan	Completed
	Monitoring program in place	Monitoring	Undertaken, ongoing
	Management actions identified	Adaptive management	Not yet applicable

Karreman Offset Field Map



01/10/2026

Transect
- Start
- Middle
- End
- Site

Fire Point
- Complete

Fire Polygon

Safety
- Hazard - Current

Observations - Point
- Fencing
- Fauna - Threatened
- Flora - General

Flora - Pest

General

Deployed Equipment
- In Field

Point

Weed Collection - Area

Primary

Offset BC Sites 2026 Rev 3

Offset assement units MGA v6
- AU1
- AU3
- AU2

Survey Track Lines

Base, Lot Type Parcel

1:17,715

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Created by Adam Tolo & updated by Fan. Based off an existing Survey123 BioCondition form., Service created by Adam Tolo with input from Peter Brennan, Chris Beavon and Serge Simic.,

8 CONCLUSIONS

This report covers the 2025–2026 reporting period for EPBC approval 2018/8340. No clearing within the approved project area was undertaken during the reporting period. However, a review undertaken for this report identified clearing outside the approved project area associated with the Energex powerline works. The matter was notified to DCCEEW on 14 April 2026 and found not to be a non-compliance associated with the approval holder. Rectification planning is underway and consultation with DETSI.

The report also records the outcomes of the DCCEEW compliance audit, which identified historical non-compliance with Conditions 5, 15 and 16. These matters related to the commencement of works at, and legal securing of, the Audale offset and the late provision of supporting evidence. Corrective actions have commenced in respect to the Audale VDC, and the approval amendment applications are progressing through the approval process.

Implementation of the three approved OAMPs progressed during the reporting period through the establishment of project systems, appointment of an Offset Coordinator, recruitment of field staff, fencing and signage works, weed control, fire management, seed collection, soil preparation and habitat monitoring. Habitat quality improved across all three offset sites. Pineapple Farm met the Year 5 targets for Grey-headed Flying-fox and Greater Glider habitat and approached the Koala target. University Farm improved but remained below its Year 5 targets. Audale met or exceeded the Year 5 targets for Koala and Grey-headed Flying-fox habitat, while the Greater Glider target remains to be achieved.

During the next reporting period, priority should be given to completing the legal and management-plan arrangements for Audale, implementing the approved corrective actions for the identified non-compliances, progressing rectification of the clearing outside the project area, and continuing monitoring and adaptive management at all offset sites. Subject to these actions, the project has established the systems and on-ground programs needed to continue implementing the EPBC approval and to demonstrate progressive improvement in offset condition.

9 REFERENCES

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Queensland Department of Environment and Science (DES) 2020, Guide to determining terrestrial habitat quality: A toolkit for assessing land-based offsets under the Queensland Environmental Offsets Policy, version 1.3, Department of Environment and Science, Brisbane.

APPENDIX A. EPBC 2018/8340 APPROVAL CONDITIONS ASSESSMENT-YEAR 2

Appendix A. EPBC 2018/8340 Approval Conditions Compliance Assessment – Year 2

Condition	Condition description	Project Compliance	Evidence
Part A – Conditions specific to the action			
Maximum clearing limits			
1.	The approval holder must not clear outside the project area	Compliant	A review undertaken in preparation for this report identified clearing outside the approved project area at the Energex electrical easement. The matter was notified to DCCEEW on 21 September 2026, after the reporting period. The clearing was undertaken by Energex under its own legal authority and was not attributable to the approval holder. Karreman Quarries is preparing a rehabilitation plan and discussing restoration works with DETSI.
2.	The approval holder must not clear more than 5ha within the project area in any calendar year	Compliant	2024: 4 ha; 2025: 4.81 ha; 2026: no clearing to date (as at 22 September 2026).
3.	The approval holder must not clear more than: • 51.52 ha of koala habitat • 48.3 ha of greater glider habitat • 48.3 ha of grey-headed flying-fox foraging habitat.	Compliant	Clearing conducted in 2024 and 2025 was within these limits
4.	For the protection of koalas in the project area, the approval holder must:		
4(a)	Ensure that a fauna spotter/catcher supervises all clearing activities and is given sufficient authority to ensure that such activities do not cause injury or death of Koalas.	Compliant	A fauna spotter was engaged to oversee the two (2) stages of clearing undertaken during the first 12 months of the activity.
4(b)	Clear in accordance with all provisions for sequential clearing required under Part 3 of the current official version of the *Nature Conservation (Koala) Conservation Plan 2017* approved under the *Nature Conservation Act 1992 (QLD)* so as to ensure that Koalas safely move out of areas subject to clearing and into connected areas of Koala habitat.	Compliant	Refer response to 4(a) above.
4(c)	Install Koala exclusion fencing around all areas of construction work, immediately after clearing and prior to the commencement of construction, so as to prevent koalas entering all areas where construction is taking place. The Koala exclusion fencing around each	Compliant	No fencing has been provided around the Stage 2 clearing area at this time, as the clearing did not constitute construction.

Condition	Condition description	Project Compliance	Evidence
	construction area must remain in place until construction activities within the fenced construction area are completed.		
4(d)	Implement traffic calming measures and ensure that the speed of all vehicles on construction roads in the project area is no greater than 40km/hr at any time (except in an emergency) so as to minimize the risk to Koalas of vehicle strike.	Compliant	Internal vehicle movements on site are enforced at 40 km/hr under the Environmental management plan.
Environmental Offset Requirements			
5.	To compensate for the clearance of habitat for protected matters up to the limits specified in Condition 3, the approval holder must, prior to the commencement of the action and for the duration of this approval, implement all three plans that comprise the Offset Area Management Plan.	Non-compliant	Implementation of the three OAMPs is progressing. Works at Audale commenced in March 2026; however, the Audale VDA remains pending because the offset boundary is subject to the proposed OAMP amendment.approval holder
6.	In addition to implementing the Offset Area Management Plans, the approval holder must ensure that, within 20 years of the commencement of the action, the following outcomes are achieved at each of the three places that comprise the offset sites: a) Average recruitment of woody perennial species in the ecologically dominant layer greater than 75% b) Average tree canopy cover greater than 50% (and less than 200%) of the benchmark for relevant Regional Ecosystems present c) Average tree canopy height greater than 70% of the benchmark for relevant Regional Ecosystems present d) Average number of large trees greater than 50% of the benchmark for relevant Regional Ecosystems present e) Average native tree species richness greater than 90% of the benchmark for relevant Regional Ecosystems present f) Average weed cover less than 4% of the benchmark for relevant Regional Ecosystems present	Not yet applicable	Habitat quality monitoring during the reporting period showed significant improvement across all three offset sites, with some metrics already meeting the Year 5 targets. The 20-year completion criteria in Condition 6 are not yet due.
7.	In addition to implementing the Offset Area Management Plans, the approval holder must ensure that, once achieved, the outcomes specified in Condition 6 are maintained for the period of the effect of this approval at each of the three places that comprise the offset	Not yet applicable	The project has not reached the 20-year timeframe to which this condition applies.

Condition	Condition description	Project Compliance	Evidence
	sites. If the approval holder can demonstrate that any commitment in the Offset Area Management Plans prevent the achievement or maintenance of the outcomes specified in Condition 6, then the approval holder must submit for approval a revised version of any such Offset Area Management Plans which enables the achievement or maintenance of the outcomes specified in Condition 6.		
8.	In addition to implementing the Offset Area Management Plans, the approval holder must ensure that each of the following increases to the habitat quality score at each offset site has been achieved or exceeded within 20 years of the commencement of the action: a) Offset Site 1: Pineapple farm i. Koala habitat = 2 habitat quality score unit increase i. Greater Glider habitat = 1 habitat quality score unit increase ii. Grey-headed Flying-fox foraging habitat = 2 habitat quality score unit increase b) Offset Site 2: University farm i. Koala habitat = 2 habitat quality score unit increase ii. Greater Glider habitat = 1 habitat quality score unit increase iii. Grey-headed Flying-fox foraging habitat = 3 habitat quality score unit increase c) Offset Site 3: Audale i. Koala habitat = 1 habitat quality score unit increase ii. Greater Glider habitat = 1 habitat quality score unit increase iii. Grey-headed Flying-fox foraging habitat = 2 habitat quality score unit increase	Not yet applicable	The project has not reached the 20-year timeframe to which this condition applies.

Condition	Condition description	Project Compliance	Evidence
9.	In addition to implementing the Offset Area Management Plans, the approval holder must ensure that, once achieved, each of the increases to the habitat quality score at all offset sites is maintained or exceeded over the period of effect of this approval. If the approval holder can demonstrate that any commitment in the Offset Area Management Plans prevents the achievement or maintenance of the increases to the habitat quality score specified in Condition 8, then the approval holder must submit for approval a revised version of any such Offset Area Management Plans which enables the achievement or maintenance of the increases to the habitat quality score specified in Condition 8.	Not yet applicable	The project has not reached the 20-year timeframe to which this condition applies.
	Offset Implementation and Reporting		
10.	Within 60 business days after the end of each 5yr period from the commencement of the action, until the expiry of this approval, the approval holder must submit to the department and publish on the website for the remainder of the period of the approval a report specifying in detail progress (or lack thereof) towards achieving and/or maintaining each of the completion criteria. The report must: a) Report the outcomes achieved in respect to each interim performance target in the period since the commencement of the action. b) Report in detail the outcomes achieved in respect of each interim performance target in the last 5 years. c) Described the results and effectiveness of all management actions implemented during the last 5 years, including, but not limited to, progress made towards achieving the outcomes specified in Condition 7. d) Include all monitoring results, including all confirmed sightings, injuries and mortalities of protected matters in a format consistent with the Guidelines for biological survey and mapped date. e) Detail any interim performance targets not met, describe all corrective actions taken and evaluate their effectiveness	Not yet applicable	The project has not reached a time where it is reasonable to consider this condition.

Condition	Condition description	Project Compliance	Evidence
	f) Identify any further corrective actions and/or adaptive management actions required to meet interim performance targets and/or completion criteria.		
11.	Within 60 business days after the end of 20 years from the commencement of the action, the approval holder must submit a report that documents whether or not the entirety of all offset sites have fully achieved and maintained all completion criteria.	Not yet applicable	The project has not reached a time where it is reasonable to consider this condition.
12.	If any interim performance target has not been met in the previous 5-year reporting period, or if any of the completion criteria have not been met within 20 years of commencement of the action, clearing and operations must be suspended. If clearing and operations are suspended in this manner, clearing and operations must not resume until the Minister is satisfied with requirements and/or outcomes required under the conditions of approval, including (but not limited to) conditions 10 and 11.	Not yet applicable	The project has not reached a time where it is reasonable to consider this condition.
13.	If any completion criterion has not been achieved within 20 years from the commencement of the action, the approval holder must, within 6 months after the end of 20 years from the commencement of the action, submit to the Department for the Minister's approval an Offset Management Plan for additional offsets to address the shortfall in environmental offsets.	Not yet applicable	The project has not reached a time where it is reasonable to consider this condition.
14.	If an Offset Management Plan for additional offsets is required in accordance with condition 13 and an Offset Management Plan has not been approved by the Minister in writing within 10 months of the end of 20 years from the commencement of the action, operations must cease. In this event, the approval holder may only re-commence operations once an approved Offset Management Plan, or any subsequent version of the Offset Management Plan, is approved by the Minister in writing.	Not yet applicable	The project has not reached a time where it is reasonable to consider this condition.
Legal Securing of Offsets			

Condition	Condition description	Project Compliance	Evidence
15.	The approval holder must legally secure all offset sites within 12 months from the date of the commencement of the action. The associated Offset Area Management Plans must be attached to the legal mechanism used to legally secure the offset sites.	Non-compliant	Condition 15 required all offset sites to be legally secured within 12 months of commencement of the action. The action commenced on 22 July 2024. Pineapple Farm and University Farm are secured by VDA. Legal security for Audale remains pending while the proposed OAMP amendment is assessed. An application to vary the timeframe was lodged on 12 March 2025.
16.	The approval holder must provide to the department evidence of the legal mechanism used to legally secure the offset sites within 5 business days of the legal mechanism being executed.	Non-compliant	Evidence of the legal mechanisms was not provided within the required five-business-day period. The department was subsequently informed through the 12 March 2025 change application that Pineapple Farm and University Farm had been secured by VDA. The historical non-compliance is recorded as resolved.
17.	The legal mechanism used to legally secure the offset sites must remain in force from the date of obtaining legal security for at least the remaining period of this approval.	Not yet applicable	The project has not reached a time where it is reasonable to consider this condition.
Part B – Standard administrative conditions			
Notification of date of commencement of the action			
18.	The approval holder must notify the department in writing of the date of commencement of the action within 10 business days after the date of commencement of the action.	Compliant	The action commenced on 22 July 2024. DCCEEW was notified of the commencement of the action on 31 July 2024.
19.	If the commencement of the action does not occur within 5 years from the date of this approval, then the approval holder must not commence the action without the prior written agreement of the Minister.	Compliant	The action commenced on 22 July 2024, within five years of the approval date of 3 March 2022.
Compliance records			

Condition	Condition description	Project Compliance	Evidence
20.	The approval holder must maintain accurate and complete compliance records.	Compliant	The approval holder has established a project team to assist in maintaining accurate records of actions undertaken at the impact and offset sites.
21.	If the department makes a request in writing, the approval holder must provide electronic copies of compliance records to the department within the timeframe specified in the request. Note: Compliance records may be subject to audit by the department or an independent auditor in accordance with section 458 of the EPBC Act, and or used to verify compliance with the conditions. Summaries of the result of an audit may be published on the department's website or through the general media.	Not yet applicable	No request has been made by the department to date.
Submission and publication of plans			
22.	The approval holder must: 1. submit plans electronically to the department 1. publish each plan on the website within 20 business days of the date: a. of this approval, if the version of the plan to be implemented is specified in these conditions, or b. the plan is approved by the Minister, if the plan requires the approval of the Minister. 2. exclude or redact sensitive ecological data from plans published on the website or provided to a member of the public 3. keep plans published on the website until the end date of this approval.	Compliant	This compliance audit report will be submitted electronically in accordance with the department's guideline. The EPBC approval documents are available on the Karreman Quarries website for community review. The EPBC approval documents are available on the Karreman Quarries website for community review. The compliance audit report will be uploaded as per Condition 24.

Condition	Condition description	Project Compliance	Evidence
23.	The approval holder must ensure that any monitoring data (including sensitive ecological data), surveys, maps, and other spatial and metadata required under conditions of this approval, is prepared in accordance with the department's Guidelines for biological survey and mapped data (2018) and submitted electronically to the department in accordance with the requirements of those plans.	Not yet applicable	Compliance with Condition 23 will occur when this report is lodged along with relevant ecological data.
Annual compliance reporting			
24.	The approval holder must prepare a compliance report for each 12 month period following the date of commencement of the action, or otherwise in accordance with an annual date that has been agreed to in writing by the Minister. The approval holder must: a) publish each compliance report on the website within 60 business days following the relevant 12 month period b) notify the department by email that a compliance report has been published on the website and provide the weblink for the compliance report within 5 business days of the date of publication c) keep all compliance reports publicly available on the website until this approval expires d) exclude or redact sensitive ecological data from compliance reports published on the website e) where any sensitive ecological data has been excluded from the version published, submit the full compliance report to the department within 5 business days of publication. Note: Compliance reports may be published on the department's website.	Compliant	This annual compliance report has been prepared in accordance with Condition 24 and following the Sensitive Ecological Data – Access *and Management Policy V1.0*.
Reporting non-compliance			
25.	The approval holder must notify the department in writing of any: incident; non-compliance with the conditions; or non-compliance with the commitments made in plans. The notification must be given as soon as practicable, and no later than 2 business days after	Compliant	Compliant within the current reporting period. The non-compliances identified during the audit did not require separate notification after the audit. The approval holder was not aware of the non-compliances until the day prior to the

Condition	Condition description	Project Compliance	Evidence
	becoming aware of the incident or non-compliance. The notification must specify: a) any condition which is or may be in breach b) a short description of the incident and/or non-compliance c) the location (including co-ordinates), date, and time of the incident and/or non-compliance. In the event the exact information cannot be provided, provide the best information available.		audit when audit preparation was underway. The audit process negated the requirement to notify (the audit process being treated as notification) and the project is compliant with condition 25 as result.
26.	The approval holder must provide to the department the details of any incident or non-compliance with the conditions or commitments made in plans as soon as practicable and no later than 10 business days after becoming aware of the incident or non-compliance, specifying: a) any corrective action or investigation which the approval holder has already taken or intends to take in the immediate future b) the potential impacts of the incident or non-compliance c) the method and timing of any remedial action that will be undertaken by the approval holder.	Compliant	The administrative non-compliances identified during the audit occurred in the 2024–2025 compliance period. The approval holder was not aware of the non-compliance until discovered during audit preparation. The audit report was treated as notification; resolution of those non-compliances is currently contingent on resolution of the OAMP amendments. There is limited risk to the offset areas because they are owned by the approval holder and, as of the current compliance period, they have exceeded the habitat targets.
Independent audit			
27.	The approval holder must ensure that independent audits of compliance with the conditions are conducted at least every 5 years and if requested in writing by the Minister.	Not yet applicable	DCCEEW conducted a compliance audit in April–May 2026. The first scheduled independent audit under Conditions 28–29 is not yet due.
28.	For each independent audit, the approval holder must: a) provide the name and qualifications of the independent auditor and the draft audit criteria to the department b) only commence the independent audit once the audit criteria have been approved in writing by the department c) submit an audit report to the department within the timeframe specified in the approved audit criteria.	Not yet applicable	NA

Condition	Condition description	Project Compliance	Evidence
29.	The approval holder must publish the audit report on the website within 10 business days of receiving the department's approval of the audit report and keep the audit report published on the website until the end date of this approval.	Not yet applicable	NA
Revision of Management Plans			
30.	The approval holder may, at any time, apply to the Minister for a variation to a plan approved by the Minister by submitting an application in accordance with the requirements of section 143A of the EPBC Act. If the Minister approves a revised plan then, from the date specified, the approval holder must implement the revised plan in place of the previous plan.	Compliant	There is an existing application with the Department to amend the OAMP for Audale and include new OAMP for Fulham Road. Once assessed and approved, these documents will form part of the implementation strategy.
Completion of the action			
31.	Within 20 business days after the completion of the action, the approval holder must notify the department in writing and provide completion data.	Not yet applicable	The action has not been completed; therefore, this condition is not yet applicable.

APPENDIX B. WHQA SCORING SUMMARY

SUMMARY OF HABITAT CONDITION ASSESSMENT - PINEAPPLE FARM

MNES – Pineapple Farm	Baseline HQS	2026 HQS	Change in HQS	5yr HQS (2029) Target
Koala	6.39	6.61	0.22	6.67
Grey-headed flying-fox	6.16	6.73	0.57	6.53
Greater Glider	4.63	4.85	0.22	4.85

AU – Pineapple Farm	AU1	AU2	AU3
RE – Pineapple Farm	**12.11.24**	**12.11.24**	**12.3.11a**
RE Status	Non-remnant	Remnant	Remnant
Koala			
Assessment unit area	28.27	16.26	4.28
Site condition score (out of 3)	1.23	2.34	2.39
Site context score (out of 3)	2.25	2.52	2.25
Species stocking rate score (out of 4)	2.57	2.57	2.57
Habitat quality score - out of 10	6.05	7.43	7.21
Offset site weighted habitat score	6.61		
Grey-headed flying-fox			
Assessment unit area	28.27	16.26	4.28
Site condition score (out of 7)	2.79	5.30	5.02
Site context score (out of 3)	2.89	2.95	2.95
Species stocking rate score (NA)			
Habitat quality score - out of 10	5.68	8.25	7.96
Offset site weighted habitat score	6.73		
Greater Glider			
Assessment unit area	28.27	16.26	4.28
Site condition score (out of 3)	1.23	2.14	2.39
Site context score (out of 3)	2.25	2.52	2.25
Species stocking rate score (out of 4)	0.86	0.86	1.14
Habitat quality score - out of 10	4.33	5.52	5.78
Offset site weighted habitat score	4.85		

SUMMARY OF HABITAT CONDITION ASSESSMENT - UNIVERSITY FARM

MNES – University Farm	Baseline HQS	2026 HQS	Change in HQS	5yr HQS (2029) Target
Koala	4.67	4.87	0.20	5.24
Grey-headed flying-fox	5.09	5.60	0.51	5.72
Greater Glider	3.69	3.89	0.20	4.13

AU – University Farm	AU1	AU2	AU3	AU4	AU5
RE – University Farm	**12.11.24**	**12.3.11**	**12.11.24**	**12.3.11**	**12.11.27**
RE status	NR	NR	Regrowth	Remnant	Remnant
Koala					
Assessment unit area	13.31	7.76	4.23	11.04	9.3
Site condition score (out of 3)	0.14	0.21	2.00	2.13	2.50
Site context score (out of 3)	1.82	1.82	2.20	2.04	2.20
Species stocking rate score (out of 4)	1.14	1.14	2.00	2.00	2.00
Habitat quality score - out of 10	3.10	3.17	6.19	6.17	6.70
Offset site weighted habitat score	4.87				
Grey-headed flying-fox					
Assessment unit area	13.31	7.76	4.23	11.04	9.3
Site condition score (out of 7)	0.27	0.47	4.39	4.59	5.44
Site context score (out of 3)	2.73	2.73	2.89	2.89	2.89
Species stocking rate score (NA)					
Habitat quality score - out of 10	3.00	3.20	7.29	7.48	8.34
Offset site weighted habitat score	5.60				
Greater Glider					
Assessment unit area	13.31	7.76	4.23	11.04	9.3
Site condition score (out of 3)	0.14	0.21	1.88	1.98	2.35
Site context score (out of 3)	1.82	1.82	2.20	2.04	2.20
Species stocking rate score (out of 4)	0.57	0.57	0.57	0.86	0.86
Habitat quality score - out of 10	2.53	2.60	4.64	4.87	5.40
Offset site weighted habitat score	3.89				

SUMMARY OF HABITAT CONDITION ASSESSMENT - AUDALE

MNES - Audale	Baseline HQS	2026 HQS	Change in HQS	5yr HQS (2029) Target
Koala	5.50	5.86	0.36	5.86
Grey-headed flying-fox	6.27	7.07	0.80	6.61
Greater Glider	3.62	3.89	0.27	4.09

AU - Audale	AU1	AU2	AU3	AU4
RE - Audale	**12.8.17**	**12.8.17**	**12.3.7**	**12.3.3**
RE Status	**Regrowth**	**Sparse regrowth**	**Regrowth**	**Regrowth**
Koala				
Assessment unit area	14.2	152.5	2.2	Not assessed
Site condition score (out of 3)	2.62	1.71	1.97	
Site context score (out of 3)	2.73	1.98	2.09	
Species stocking rate score (out of 4)	1.14	2.00	2.00	
Habitat quality score - out of 10	6.49	5.69	6.06	
Offset site weighted habitat score	5.86			
Grey-headed flying-fox				
Assessment unit area	14.2	152.5	2.2	Not assessed
Site condition score (out of 7)	6.79	4.35	4.73	
Site context score (out of 3)	2.73	2.36	2.57	
Species stocking rate score (NA)				
Habitat quality score - out of 10	9.52	6.70	7.30	
Offset site weighted habitat score	7.07			
Greater Glider				
Assessment unit area	14.2	152.5	2.2	Not assessed
Site condition score (out of 3)	2.62	1.71	1.97	

AU - Audale	AU1	AU2	AU3	AU4
RE - Audale	12.8.17	12.8.17	12.3.7	12.3.3
Site context score (out of 3)	2.73	1.98	2.09	
Species stocking rate score (out of 4)	0.57	0.00	0.57	
Habitat quality score - out of 10	5.92	3.69	4.63	
Offset site weighted habitat score	3.89			

Note: AU4 was not assessed as the pending amendment removes this AU form the offset.

APPENDIX C. WHQA SITE SUMMARIES

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

Site ID	S1 Pine
Plot Size	100 m x 50 m
Observers	Subbie05, subbie08, Darren_attexo, sophia.harris_attexo

PROPERTY

Lot Plan*	1RP884860
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Sheldon, Redland City

Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	153.183677	-27.594618	
Center/50m	153.183678	-27.594095	
End/100m	153.183702	-27.593688	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 1.4°		

ECOSYSTEM

Site Description	Along creek bank, 100m, 25m wide on west and 20m wide on east. 0m, 25m wide on both sides.
Sub-Bioregion*, Bioregion*	Burringbar - Conondale Ranges (12.3), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.3.11 - Eucalyptus tereticornis +/- Eucalyptus siderophloia, Corymbia intermedia open forest on alluvial plains usually near coast
GTRE Condition	Remnant
Landform	STREAMS - Bed of Channel - Distributaries of Inland Streams, Beds and Intermittently Flooded
Soil Colour, Texture	Brown, Sandy Loam
Emergent height (E)	N/A
Canopy height (EDL)	35.0
Sub-canopy height (S)	23.0
Mistletoe Present	No
Barbed Wire Present	No

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	49 cm	36 cm
Tree count	11.0	4.0
Trees/ha	22.0	8.0

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns "Large tree threshold _Eucalypt" and "Large tree threshold_ Non eucalypt"

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	23
Trees/ha	46

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)	*Acacia disparrima* *Acronychia laevis* *Alphitonia excelsa* *Alyxia ruscifolia* *Archantophoenix cunninghamiana* *Bursaria spinosa* *Corymbia citriodora* *Corymbia sp.* *Cryptocarya maconaldii* *Cryptocarya microneura* *Endiandra discolour* *Endiandra muelleri* *Eucalyptus microcorys* *Eucalyptus propinqua* *Eucalyptus siderophloia* *Ficus coronata* *Gmelina leichhardtii* *Hibiscus heterophyllus* *Jagera pseudorhus* *Lophostemon confertus* *Melaleuca salicina* *Mischocarpus pyriformis* *Neolitsia dealbata* *Paratrophis pendulina* *Solanum stelligerum* *Syzygium australe* *Syzygium leuhmannii* *Syzygium oleosum* *Tapeinosperma repandulum* *Trema tomentosa*	30
Native Shrub spp. (50 x 10m area)	*Acronychia laevis* *Aphananthe philippinensis* *Cordyline petiolaris* *Cryptocarya macdonaldii* *Cryptocarya microneura* *Ficus coronata* *Jagera pseudorhus* *Mallotus philippensis* *Mischocarpus pyriformis* *Ottochloa gracillima* *Psychotria loniceroides* *Streblus brunonianus* *Syzygium oleosum* *Syzygium sp.*	13
Native Grass spp. (50 x 10m area)	*Oplismenus mollis*	1
Native Forb spp. (50 x 10m area)	*Alpinia caerulea* *Cissus antarctica* *Clematicissus opaca* *Clematis pickeringii* Commelina sp. Cyperus sp. *Dioscorea transversa* *Eustrephus latifolius* *Flagellaria indica* *Gahnia aspera* *Geitonoplesium cymosum* *Gymnostaches anceps*	21

	Gynochthodes jasminoides *Lobelia purpurascens* *Lomandra hystrix* *Lomandra longifolia* *Oxalis sp.* *Pandorea pandorana* *Parsonsia straminea* *Pteridium esculentum* *Pteridium semihastatum* *Smilax australis* *Stephania japonica* *Trophis scandens*	
Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	33.3
Non-native plant cover (%)	20.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	26.9 m	**Total Length/ha**	269.5 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean
Native Perennial Grass Cover	0%	0%	0%	0%	0%	0.0%
Native Other Grass	0%	0%	25%	0%	25%	10.1%
Native Forbs (non-grass)	0%	0%	10%	20%	0%	6.1%
Native Shrubs (<1m in height)	0%	0%	0%	2%	0%	0.5%
Non-Native Grass	0%	0%	0%	0%	0%	0.0%
Non-Native Forbs & Shrubs	10%	0%	0%	3%	0%	2.6%
Litter	90%	100%	5%	72%	64%	66.1%
Rock	0%	0%	0%	0%	0%	0.0%
Bare Ground	0%	0%	60%	3%	10%	14.6%
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A
Total	100%	100%	100%	100%	100%	

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent					0.0 m
Canopy (T1)	*Eucalyptus microcorys*	0.0	3.8	3.8	27.9 m
	Eucalyptus microcorys	14.0	21.5	7.5	
	Cryptocarya macdonaldii	66.8	73.8	7.0	
	Eucalyptus siderophloia	90.4	96.2	5.8	
	Eucalyptus propinqua	96.2	100.0	3.8	
Sub-Canopy (T2)	*Gmelina leichhardtii*	0.0	6.7	6.7	49.4 m
	Ficus coronata	7.9	12.6	4.7	
	Ficus coronata	16.3	22.2	5.9	
	Neolitsea dealbata	20.3	23.0	2.7	
	Other - Capture in 'Species Notes'	49.5	55.8	6.3	
	Neolitsea dealbata	52.6	56.0	3.4	
	Syzygium oleosum	56.0	58.8	2.8	
	Mischocarpus pyriformis	57.0	59.7	2.7	
	Archontophoenix cunninghamiana	65.3	67.8	2.5	
	Neolitsea dealbata	67.8	70.8	3.0	
	Gynochthodes jasminoides	78.2	78.9	0.7	
	Lophostemon confertus	82.8	90.8	8.0	
Shrub	*Alpinia caerulea*	20.4	22.3	1.9	5.1 m
	Pandorea pandorana	28.8	29.7	0.9	
	Pandorea pandorana	30.2	31.1	0.9	
	Mischocarpus pyriformis	77.7	78.3	0.6	
	Cryptocarya microneura	83.8	84.2	0.4	
	Hibiscus heterophyllus	87.7	88.1	0.4	

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

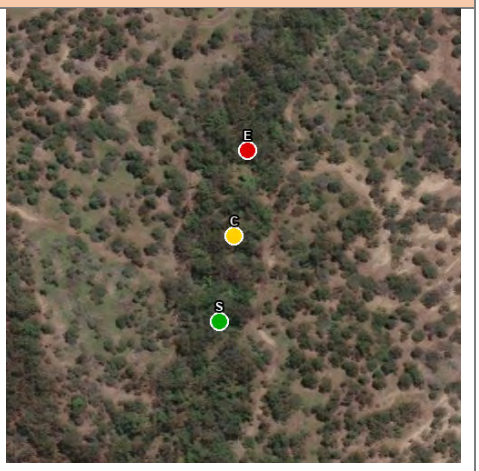
Site ID	S2 Pine
Plot Size	100 m x 50 m
Observers	subbie08, sophia.harris_attexo, Darren_attexo

PROPERTY

Lot Plan*	1RP884860
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Sheldon, Redland City

Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	153.181057	-27.596781	
Center/50m	153.181142	-27.596332	
End/100m	153.181225	-27.595887	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 9.5°		

ECOSYSTEM

Site Description	Start 21 east, 20 west
Sub-Bioregion*, Bioregion*	Burringbar - Conondale Ranges (12.3), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.11.24 - Eucalyptus carnea or E. tindaliae, Corymbia intermedia +/- E. siderophloia or E. crebra woodland on metamorphics +/- interbedded volcanics
GTRE Condition	Remnant
Landform	STREAMS - Gully, Drainage Line, Ravine Gorge, Outwash and Intermittently Wet
Soil Colour, Texture	Brown, Clay Silty Loam
Emergent height (E)	N/A
Canopy height (EDL)	25.8
Sub-canopy height (S)	15.1
Mistletoe Present	No
Barbed Wire Present	No

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	46 cm	N/A
Tree count	16.5	N/A
Trees/ha	33.0	N/A

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns "Large tree threshold _Eucalypt" and "Large tree threshold_ Non eucalypt"

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	36
Trees/ha	88

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)	*Acacia concurrens* *Acacia disparrima* *Acacia fimbriata* *Allocasuarina torulosa* *Alphitonia excelsa* *Angophora leiocarpa* *Corymbia citriodora* *Corymbia trachyphloia* *Eucalyptus acmenoides* *Eucalyptus propinqua* *Eucalyptus seeana* *Eucalyptus siderophloia* *Lophostemon confertus* *Lophostemon suaveolens* *Melaleuca saligna*	15
Native Shrub spp. (50 x 10m area)	*Acacia disparrima* *Jagera pseudorhus*	2
Native Grass spp. (50 x 10m area)	*Cymbopogon refractus* *Dianella caerulea* *Entolasia marginata* *Entolasia stricta* *Imperata cylindrica* *Lepidosperma laterale* *Lomandra confertifolia* *Lomandra longifolia* *Oplismenus aemulus* *Ottochloa gracillima* *Panicum sp.*	11
Native Forb spp. (50 x 10m area)	*Brunoniella australis* *Cyanthillium cinereum* *Desmodium rhytidophyllum* *Fimbristylis dichotoma* *Gompholobium sp.* *Goodenia rotundifolia* *Lobelia purpurascens* *Oxalis sp.* *Pandorea pandorana* *Parsonsia sp.* *Pigea stellarioides* *Pseuderanthemum variabile*	12
Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	50.0
Non-native plant cover (%)	3.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	90.8 m	**Total Length/ha**	908.5 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean
Native Perennial Grass Cover	49%	0%	70%	40%	42%	40.3%
Native Other Grass	0%	0%	0%	0%	0%	0.1%
Native Forbs (non-grass)	0%	15%	0%	0%	0%	3.0%
Native Shrubs (<1m in height)	0%	0%	0%	0%	0%	0.0%
Non-Native Grass	0%	65%	0%	0%	3%	13.6%
Non-Native Forbs & Shrubs	0%	0%	0%	0%	0%	0.0%
Litter	50%	20%	30%	60%	55%	43.1%
Rock	0%	0%	0%	0%	0%	0.0%

Bare Ground	0%	0%	0%	0%	0%	0.0%
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A
Total	100%	100%	100%	100%	100%	

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent					0.0 m
Canopy (T1)	*Eucalyptus siderophloia*	3.0	3.9	0.9	71.2 m
	Eucalyptus propinqua	3.9	28.6	24.7	
	Eucalyptus siderophloia	32.3	42.0	9.7	
	Eucalyptus propinqua	42.1	51.1	9.0	
	Eucalyptus siderophloia	56.5	58.0	1.5	
	Eucalyptus propinqua	58.0	63.5	5.5	
	Eucalyptus seeana	63.9	73.1	9.2	
	Corymbia citriodora	79.1	87.4	8.3	
	Eucalyptus propinqua	97.6	100.0	2.4	
Sub-Canopy (T2)	*Parsonsia straminea*	0.0	1.6	1.6	38.2 m
	Eucalyptus propinqua	35.3	37.8	2.5	
	Eucalyptus siderophloia	37.8	40.0	2.2	
	Lophostemon suaveolens	42.0	44.4	2.4	
	Parsonsia straminea	46.0	58.6	12.6	
	Parsonsia straminea	50.1	53.7	3.6	
	Parsonsia straminea	55.4	55.7	0.3	
	Lophostemon suaveolens	58.6	61.9	3.3	
	Parsonsia straminea	68.5	69.9	1.4	
	Lophostemon suaveolens	74.4	80.3	5.9	
	Lophostemon confertus	95.7	98.1	2.4	
Shrub					0.0 m

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

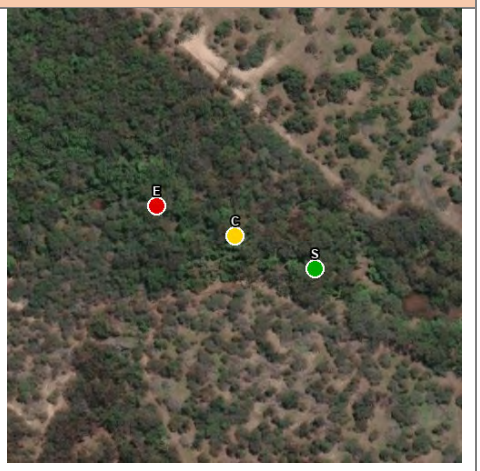
Site ID	S3 Pine
Plot Size	100 m x 50 m
Observers	sophia.harris_attexo, subbie04, Darren_attexo

PROPERTY

Lot Plan*	1RP884860
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Sheldon, Redland City

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | *Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)*

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	153.180217	-27.593721	
Center/50m	153.179745	-27.593550	
End/100m	153.179285	-27.593393	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 291.5°		

ECOSYSTEM

Site Description	N/A
Sub-Bioregion*, Bioregion*	Burringbar - Conondale Ranges (12.3), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.11.24 - Eucalyptus carnea or E. tindaliae, Corymbia intermedia +/- E. siderophloia or E. crebra woodland on metamorphics +/- interbedded volcanics
GTRE Condition	Remnant
Landform	STREAMS - Gully, Drainage Line, Ravine Gorge, Outwash and Intermittently Wet
Soil Colour, Texture	Brown, Clay Sandy Loam
Emergent height (E)	N/A
Canopy height (EDL)	26.8
Sub-canopy height (S)	13.6
Mistletoe Present	No
Barbed Wire Present	No

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	46 cm	N/A
Tree count	16.5	N/A
Trees/ha	33.0	N/A

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns "Large tree threshold _Eucalypt" and "Large tree threshold_ Non eucalypt"

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	54
Trees/ha	108

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)	*Acacia disparrima* *Acacia fimbriata* *Allocasuarina littoralis* *Allocasuarina torulosa* *Alphitonia excelsa* *Angophora leiocarpa* *Corymbia intermedia* *Eucalyptus acmenoides* *Eucalyptus propinqua* *Eucalyptus resinifera* *Eucalyptus siderophloia* *Ficus coronata* *Jagera pseudorhus* *Leptospermum sp.* *Lophostemon confertus* *Lophostemon suaveolens* *Melaleuca quinquenervia* *Melaleuca salicina* *Polyalthia nitidissima* *Trema tomentosa var. aspera*	20
Native Shrub spp. (50 x 10m area)	*Acacia disparrima* *Alphitonia excelsa* *Hibbertia aspera* *Jagera pseudorhus* *Lophostemon confertus* *Psychotria loniceroides*	6
Native Grass spp. (50 x 10m area)	*Cymbopogon refractus* *Entolasia marginata* *Entolasia stricta* *Imperata cylindrica* *Oplismenus aemulus* *Oplismenus mollis* *Ottochloa gracillima*	7
Native Forb spp. (50 x 10m area)	*Brunonia australis* *Cyanthillium cinereum* *Dianella caerulea* *Dichondra repens* *Eustrephus latifolius* *Gahnia aspera* *Goodenia rotundifolia* *Lobelia purpurascens* *Lomandra confertifolia* *Lomandra longifolia* *Lomandra multiflora* *Pigea stellarioides* *Polymeria calycina* *Pseuderanthemum variabile* *Smilax australis*	15
Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	0.0
Non-native plant cover (%)	2.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	31.5 m	**Total Length/ha**	315.0 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean
Native Perennial Grass Cover	69%	55%	55%	40%	12%	46.2%
Native Other Grass	0%	0%	0%	0%	0%	0.0%
Native Forbs (non-grass)	5%	12%	10%	10%	8%	9.0%
Native Shrubs (<1m in height)	0%	0%	0%	0%	0%	0.0%
Non-Native Grass	0%	0%	0%	0%	0%	0.0%
Non-Native Forbs & Shrubs	1%	0%	0%	0%	0%	0.2%
Litter	25%	33%	45%	49%	80%	46.4%
Rock	0%	0%	0%	0%	0%	0.0%
Bare Ground	0%	0%	0%	1%	0%	0.2%
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A
Total	100%	100%	100%	100%	100%	

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent					0.0 m
Canopy (T1)	*Eucalyptus propinqua*	0.0	4.4	4.4	57.4 m
	Lophostemon suaveolens	12.9	15.6	2.7	
	Eucalyptus propinqua	15.7	20.1	4.4	
	Eucalyptus siderophloia	24.3	32.8	8.5	
	Eucalyptus propinqua	32.8	40.2	7.4	
	Eucalyptus propinqua	45.0	60.8	15.8	
	Corymbia intermedia	76.4	81.5	5.1	
	Lophostemon suaveolens	89.6	93.9	4.3	
	Lophostemon confertus	93.9	98.7	4.8	
Sub-Canopy (T2)	*Parsonsia straminea*	6.8	11.2	4.4	47.7 m
	Lophostemon suaveolens	19.5	23.7	4.2	
	Lophostemon suaveolens	28.6	34.2	5.6	
	Melaleuca saligna	33.9	41.1	7.2	
	Lophostemon suaveolens	40.6	43.9	3.3	
	Lophostemon confertus	62.0	65.8	3.8	
	Lophostemon confertus	66.9	75.9	9.0	
	Corymbia intermedia	75.8	80.3	4.5	
	Corymbia intermedia	85.7	88.9	3.2	
	Lophostemon confertus	97.5	100.0	2.5	
Shrub					0.0 m

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

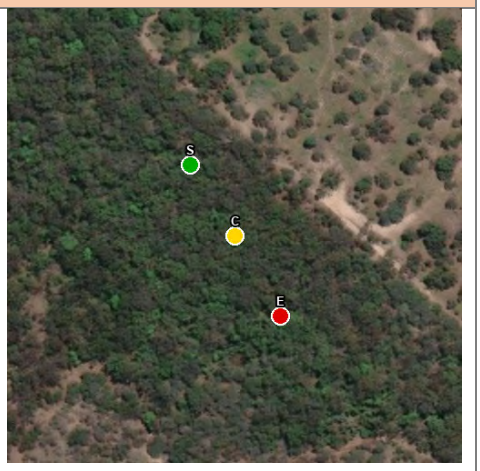
Site ID	S4 Pine
Plot Size	100 m x 50 m
Observers	subbie04, sophia.harris_attexo, Darren_attexo

PROPERTY

Lot Plan*	1RP884860
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Sheldon, Redland City

Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	153.178658	-27.592365	
Center/50m	153.178920	-27.592735	
End/100m	153.179192	-27.593154	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 148.9°		

ECOSYSTEM

Site Description	Jad ro move plot to avoid boundary of offset, now laid out north to south
Sub-Bioregion*, Bioregion*	Burringbar - Conondale Ranges (12.3), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.11.24 - Eucalyptus carnea or E. tindaliae, Corymbia intermedia +/- E. siderophloia or E. crebra woodland on metamorphics +/- interbedded volcanics
GTRE Condition	Remnant
Landform	HILLS - Slope or Hill Not Specified
Soil Colour, Texture	Dark, Clay Loam
Emergent height (E)	N/A
Canopy height (EDL)	19.1
Sub-canopy height (S)	10.1
Mistletoe Present	No
Barbed Wire Present	No

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	46 cm	N/A
Tree count	16.5	N/A
Trees/ha	33.0	N/A

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns "Large tree threshold _Eucalypt" and "Large tree threshold_ Non eucalypt"

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	56
Trees/ha	112

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)	*Acacia disparrima* *Acacia fimbriata* *Allocasuarina littoralis* *Allocasuarina torulosa* *Alphitonia excelsa* *Angophora leiocarpa* *Angophora woodsiana* *Corymbia citriodora* *Corymbia intermedia* *Corymbia sp.* *Corymbia trachyphloia* *Eucalyptus acmenoides* *Eucalyptus resinifera* *Eucalyptus siderophloia* *Eucalyptus sp.* *Exocarpos latifolius* *Jagera pseudorhus* *Leptospermum polygalifolium* *Lophostemon confertus* *Lophostemon suaveolens* *Mallotus philippensis* *Neolitsea dealbata* *Pittosporum undulatum*	23
Native Shrub spp. (50 x 10m area)	*Acacia disparrima* *Acacia fimbriata* *Alphitonia excelsa* *Breynia oblongifolia* Corymbia sp. *Hibbertia aspera* *Psychotria loniceroides* *Xanthorrhoea latifolia*	8
Native Grass spp. (50 x 10m area)	*Entolasia stricta* *Imperata cylindrica* *Oplismenus aemulus* *Oplismenus imbecillis* *Ottochloa gracillima* *Panicum effusum*	6
Native Forb spp. (50 x 10m area)	*Brunonia australis* *Clematicissus opaca* *Cordyline petiolaris* *Cyanthillium cinereum* *Dianella caerulea* *Dichondra repens* *Eustrephus latifolius* *Goodenia rotundifolia* *Lobelia purpurascens* *Lomandra confertifolia* *Lomandra longifolia* *Lomandra multiflora* *Pandorea pandorana* *Pteridium esculentum* *Smilax australis* *Tricoryne anceps subsp. pterocaulon*	16
Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	60.0
Non-native plant cover (%)	2.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	63.0 m	Total Length/ha	630.0 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean
Native Perennial Grass Cover	2%	0%	0%	0%	0%	0.5%
Native Other Grass	0%	0%	0%	0%	0%	0.0%
Native Forbs (non-grass)	2%	3%	0%	80%	0%	17.1%
Native Shrubs (<1m in height)	0%	0%	0%	0%	4%	0.8%
Non-Native Grass	0%	0%	0%	0%	0%	0.0%
Non-Native Forbs & Shrubs	0%	0%	0%	0%	0%	0.0%
Litter	96%	97%	100%	20%	96%	81.6%
Rock	0%	0%	0%	0%	0%	0.0%
Bare Ground	0%	0%	0%	0%	0%	0.0%
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A
Total	100%	100%	100%	100%	100%	

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent					0.0 m
Canopy (T1)	*Corymbia trachyphloia*	14.1	23.8	9.7	71.0 m
	Eucalyptus acmenoides	23.8	30.3	6.5	
	Corymbia trachyphloia	34.7	46.2	11.5	
	Corymbia trachyphloia	46.3	48.3	2.0	
	Eucalyptus acmenoides	48.6	54.4	5.8	
	Eucalyptus acmenoides	57.1	61.5	4.4	
	Corymbia trachyphloia	63.8	72.6	8.8	
	Eucalyptus acmenoides	74.8	83.4	8.6	
	Other - Capture in 'Species Notes'	86.3	91.2	4.9	
	Corymbia trachyphloia	91.2	98.3	7.1	
	Corymbia trachyphloia	98.3	100.0	1.7	
Sub-Canopy (T2)	*Jagera pseudorhus*	0.0	6.2	6.2	26.2 m
	Parsonsia straminea	6.0	9.5	3.5	
	Lophostemon suaveolens	10.3	12.2	1.9	
	Corymbia trachyphloia	17.5	19.3	1.8	
	Lophostemon confertus	35.0	38.2	3.2	
	Other - Capture in 'Species Notes'	45.1	47.1	2.0	
	Lophostemon confertus	52.9	55.5	2.6	
	Eucalyptus acmenoides	63.1	64.1	1.0	
	Lophostemon confertus	71.5	73.4	1.9	
	Alphitonia excelsa	73.6	75.7	2.1	
Shrub	*Solanum stelligerum*	8.0	8.3	0.3	6.4 m
	Psychotria loniceroides	14.6	16.7	2.1	
	Acacia fimbriata	41.9	43.9	2.0	
	Acacia fimbriata	59.5	61.5	2.0	

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

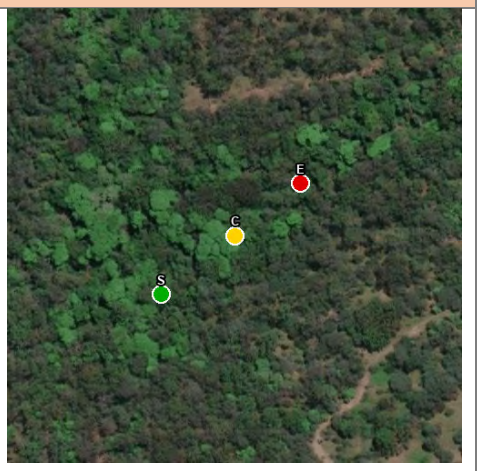
Site ID	S5 pine
Plot Size	100 m x 50 m
Observers	Subbie05, Darren_attexo, sophia.harris_attexo

PROPERTY

Lot Plan*	1RP884860
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Sheldon, Redland City

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	153.177472	-27.590918	
Center/50m	153.177905	-27.590610	
End/100m	153.178295	-27.590337	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 51.6°		

ECOSYSTEM

Site Description	Reduced transect to 5m on northern side sothwrn side 25 m
Sub-Bioregion*, Bioregion*	Burringbar - Conondale Ranges (12.3), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.3.11 - Eucalyptus tereticornis +/- Eucalyptus siderophloia, Corymbia intermedia open forest on alluvial plains usually near coast
GTRE Condition	Remnant
Landform	STREAMS - Bed of Channel - Distributaries of Inland Streams, Beds and Intermittently Flooded
Soil Colour, Texture	Dark, Clay Sandy Loam
Emergent height (E)	N/A
Canopy height (EDL)	24.1
Sub-canopy height (S)	16.1
Mistletoe Present	No
Barbed Wire Present	No

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	49 cm	36 cm
Tree count	11.0	4.0
Trees/ha	22.0	8.0

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns "Large tree threshold _Eucalypt" and "Large tree threshold_ Non eucalypt"

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	52
Trees/ha	104

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)	*Acacia fimbriata* *Acronychia laevis* *Actephila grandifolia* *Atractocarpus chartaceus* *Brachychiton discolor* *Corymbia intermedia* *Corymbia trachyphloia* *Endiandra discolor* *Endiandra muelleri subsp. muelleri* *Eucalyptus microcorys* *Eucalyptus propinqua* *Eucalyptus tereticornis* *Ficus coronata* *Gmelina leichhardtii* *Hibiscus heterophyllus* *Lophostemon confertus* *Lophostemon suaveolens* *Mischocarpus pyriformis subsp. pyriformis* *Neolitsea dealbata* *Pittosporum spinescens*	20
Native Shrub spp. (50 x 10m area)	*Acacia disparrima* *Ficus coronata* *Hibiscus heterophyllus* *Jagera pseudorhus* *Lophostemon confertus* *Neolitsea dealbata* *Psychotria loniceroides* *Solanum stelligerum*	8
Native Grass spp. (50 x 10m area)	*Imperata cylindrica* *Oplismenus mollis* *Ottochloa gracillima*	3
Native Forb spp. (50 x 10m area)	*Alpinia caerulea* *Aphananthe philippinensis* *Brunoniella australis* *Centella asiatica* *Cissus antarctica* *Clematicissus opaca* *Dioscorea transversa* *Eustrephus latifolius* *Flagellaria indica* *Gahnia aspera* *Geitonoplesium cymosum* *Gynochthodes jasminoides* *Leichhardtia rostrata* *Livistona australis* *Lobelia purpurascens* *Lomandra longifolia* *Pandorea pandorana* *Pteridium esculentum* *Smilax australis* *Stephania japonica* *Trophis scandens*	21
Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	25.0
Non-native plant cover (%)	20.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	17.4 m	Total Length/ha	174.0 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean
Native Perennial Grass Cover	0%	0%	0%	0%	0%	0.3%
Native Other Grass	0%	0%	0%	0%	0%	0.1%
Native Forbs (non-grass)	25%	5%	1%	0%	15%	9.3%
Native Shrubs (<1m in height)	0%	0%	0%	5%	0%	1.1%
Non-Native Grass	0%	0%	0%	0%	0%	0.0%
Non-Native Forbs & Shrubs	0%	40%	30%	15%	0%	17.0%
Litter	75%	54%	64%	79%	85%	71.3%
Rock	0%	0%	0%	0%	0%	0.0%
Bare Ground	0%	0%	5%	0%	0%	1.0%
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A
Total	100%	100%	100%	100%	100%	

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent					0.0 m
Canopy (T1)	*Lophostemon confertus*	0.0	7.7	7.7	80.4 m
	Corymbia intermedia	7.7	12.4	4.7	
	Eucalyptus tereticornis	14.3	21.5	7.2	
	Other - Capture in 'Species Notes'	25.6	30.9	5.3	
	Lophostemon confertus	30.9	56.2	25.3	
	Eucalyptus microcorys	56.2	65.2	9.0	
	Other - Capture in 'Species Notes'	65.2	71.5	6.3	
	Eucalyptus propinqua	77.6	83.2	5.6	
	Eucalyptus propinqua	90.7	100.0	9.3	
Sub-Canopy (T2)	*Neolitsea dealbata*	0.0	8.2	8.2	55.8 m
	Neolitsea dealbata	22.2	35.1	12.9	
	Neolitsea dealbata	48.2	53.2	5.0	
	Flagellaria indica	52.4	53.3	0.9	
	Lophostemon confertus	64.8	69.6	4.8	
	Clematicissus opaca	70.8	74.0	3.2	
	Cinnamomum camphora	73.7	77.0	3.3	
	Lophostemon confertus	77.0	82.1	5.1	
	Other - Capture in 'Species Notes'	82.1	84.5	2.4	
	Other - Capture in 'Species Notes'	90.0	100.0	10.0	
Shrub	*Neolitsea dealbata*	43.9	44.8	0.9	8.4 m
	Elattostachys bidwillii	65.3	67.2	1.9	
	Neolitsea dealbata	69.2	69.6	0.4	
	Ficus coronata	70.3	73.7	3.4	
	Other - Capture in 'Species Notes'	74.2	75.2	1.0	
	Other - Capture in 'Species Notes'	74.4	75.2	0.8	

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

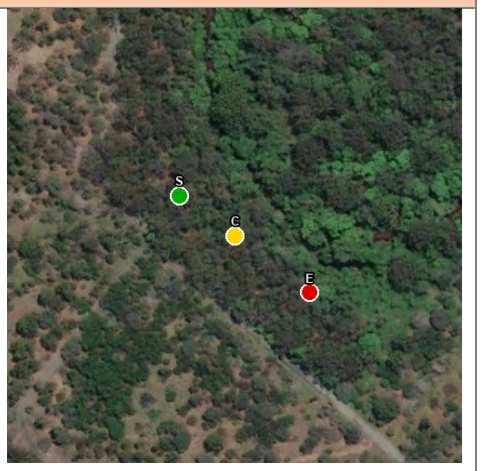
Site ID	S6 pine
Plot Size	100 m x 50 m
Observers	Darren_attexo, subbie04, sophia.harris_attexo

PROPERTY

Lot Plan*	1RP884860
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Sheldon, Redland City

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | *Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)*

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	153.181769	-27.592077	
Center/50m	153.182092	-27.592285	
End/100m	153.182532	-27.592584	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 126.7°		

ECOSYSTEM

Site Description	N/A
Sub-Bioregion*, Bioregion*	Burringbar - Conondale Ranges (12.3), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.11.24 - Eucalyptus carnea or E. tindaliae, Corymbia intermedia +/- E. siderophloia or E. crebra woodland on metamorphics +/- interbedded volcanics
GTRE Condition	Remnant
Landform	HILLS - Slope or Hill Not Specified
Soil Colour, Texture	Brown, Clay Silty Loam
Emergent height (E)	N/A
Canopy height (EDL)	23.3
Sub-canopy height (S)	14.3
Mistletoe Present	Yes
Barbed Wire Present	No

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	46 cm	N/A
Tree count	16.5	N/A
Trees/ha	33.0	N/A

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns "Large tree threshold _Eucalypt" and "Large tree threshold_ Non eucalypt"

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	72
Trees/ha	144

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)	*Acacia disparrima* *Acacia fimbriata* *Alphitonia excelsa* *Aphananthe philippinensis* *Corymbia citriodora* *Corymbia intermedia* *Corymbia sp.* *Corymbia trachyphloia* Denhamia sp. *Eucalyptus acmenoides* *Eucalyptus fibrosa* *Eucalyptus microcorys* *Eucalyptus propinqua* *Eucalyptus siderophloia* Ficus sp. Hibiscus heterophyllus Jagera pseudorhus *Lophostemon confertus* Mischocarpus pyriformis Neolitsia dealbata *Petalostigma triloculare* *Pittosporum spinescens* *Psydrax odorata*	23
Native Shrub spp. (50 x 10m area)	*Acacia disparrima* *Acacia fimbriata* *Aphananthe philippinensis* *Hibiscus heterophyllus* *Hovea acutifolia* *Jagera pseudorhus* *Lissanthe strigosa* *Neolitsea dealbata* *Petalostigma triloculare* *Psychotria loniceroides* *Solanum stelligerum*	11
Native Grass spp. (50 x 10m area)	*Entolasia marginata* *Entolasia stricta* *Imperata cylindrica* *Oplismenus mollis* *Ottochloa gracillima* *Xanthorrhoea latifolia*	6
Native Forb spp. (50 x 10m area)	*Cyanthillium cinereum* *Desmodium gunnii* *Desmodium rhytidophyllum* *Dianella caerulea* *Dioscorea transversa* *Eustrephus latifolius* *Gahnia aspera* *Goodenia rotundifolia* *Gynochthodes jasminoides* *Hibbertia aspera* *Leichhardtia rostrata* *Lobelia purpurascens* *Lomandra confertifolia* *Lomandra multiflora* *Pandorea pandorana* *Pigea stellarioides* *Pseuderanthemum variabile* *Smilax australis* *Tricoryne anceps*	19

Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	0.0
Non-native plant cover (%)	15.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	71.2 m	**Total Length/ha**	712.0 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean
Native Perennial Grass Cover	20%	20%	0%	40%	40%	24.0%
Native Other Grass	0%	0%	0%	0%	0%	0.1%
Native Forbs (non-grass)	5%	0%	0%	0%	0%	1.3%
Native Shrubs (<1m in height)	0%	0%	0%	0%	0%	0.1%
Non-Native Grass	0%	0%	0%	0%	0%	0.0%
Non-Native Forbs & Shrubs	0%	0%	0%	0%	0%	0.0%
Litter	75%	80%	99%	60%	60%	74.6%
Rock	0%	0%	0%	0%	0%	0.0%
Bare Ground	0%	0%	0%	0%	0%	0.0%
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A
Total	100%	100%	100%	100%	100%	

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent					0.0 m
Canopy (T1)	*Eucalyptus siderophloia*	0.0	4.4	4.4	57.7 m
	Eucalyptus siderophloia	20.3	21.1	0.8	
	Corymbia intermedia	24.8	28.2	3.4	
	Lophostemon confertus	35.8	38.0	2.2	
	Corymbia intermedia	38.2	41.5	3.3	
	Eucalyptus fibrosa subsp. fibrosa	45.3	57.7	12.4	
	Eucalyptus fibrosa subsp. fibrosa	57.7	59.5	1.8	
	Corymbia intermedia	60.6	63.3	2.7	
	Lophostemon confertus	63.3	68.6	5.3	
	Other - Capture in 'Species Notes'	70.2	77.3	7.1	
	Eucalyptus fibrosa subsp. fibrosa	77.3	81.0	3.7	
	Other - Capture in 'Species Notes'	81.0	85.6	4.6	
	Corymbia trachyphloia	94.0	100.0	6.0	
Sub-Canopy (T2)	*Corymbia intermedia*	0.0	4.1	4.1	50.5 m
	Other - Capture in 'Species Notes'	4.2	12.3	8.1	
	Corymbia intermedia	13.9	15.5	1.6	
	Lophostemon confertus	20.6	27.0	6.4	
	Lophostemon confertus	32.4	38.2	5.8	
	Other - Capture in 'Species Notes'	39.8	41.4	1.6	
	Corymbia intermedia	48.8	52.5	3.7	
	Lophostemon confertus	57.2	59.8	2.6	
	Acacia disparrima	60.6	61.5	0.9	
	Lophostemon confertus	66.2	71.2	5.0	
	Acacia aulacocarpa x Acacia disparrima	85.1	90.5	5.4	
	Eucalyptus acmenoides	90.5	95.8	5.3	
Shrub	*Acacia fimbriata*	3.5	4.3	0.8	5.5 m
	Acacia disparrima	34.9	35.7	0.8	
	Other - Capture in 'Species Notes'	35.8	38.6	2.8	
	Aphananthe philippinensis	56.0	56.5	0.5	
	Acacia disparrima	62.5	63.1	0.6	

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

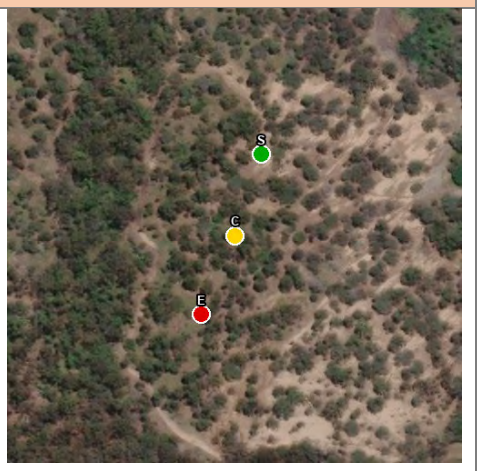
Site ID	S7 Pine
Plot Size	100 m x 50 m
Observers	subbie08, sophia.harris_attexo, Darren_attexo

PROPERTY

Lot Plan*	1RP884860
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Sheldon, Redland City

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | *Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)*

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	153.182007	-27.596419	
Center/50m	153.181850	-27.596842	
End/100m	153.181652	-27.597256	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 200.7°		

ECOSYSTEM

Site Description	Planted trees and regrowth
Sub-Bioregion*, Bioregion*	Burringbar - Conondale Ranges (12.3), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.11.24 - Eucalyptus carnea or E. tindaliae, Corymbia intermedia +/- E. siderophloia or E. crebra woodland on metamorphics +/- interbedded volcanics
GTRE Condition	Regrowth
Landform	HILLS - Slope or Hill Not Specified
Soil Colour, Texture	Brown, Clay Silty Loam
Emergent height (E)	N/A
Canopy height (EDL)	15.2
Sub-canopy height (S)	6.1
Mistletoe Present	No
Barbed Wire Present	No

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	46 cm	N/A
Tree count	16.5	N/A
Trees/ha	33.0	N/A

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns "Large tree threshold _Eucalypt" and "Large tree threshold_ Non eucalypt"

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	12
Trees/ha	24

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)	*Acacia concurrens* *Acacia disparrima* *Acacia fimbriata* *Angophora leiocarpa* *Corymbia citriodora* *Eucalyptus microcorys* *Eucalyptus propinqua* *Eucalyptus saligna* *Eucalyptus siderophloia* *Melaleuca quinquenervia*	10
Native Shrub spp. (50 x 10m area)	*Acacia disparrima* *Acacia fimbriata* *Angophora leiocarpa*	3
Native Grass spp. (50 x 10m area)	*Aristida gracilipes* *Aristida queenslandica* *Cymbopogon refractus* *Ottochloa gracillima* *Paspalidium distans*	5
Native Forb spp. (50 x 10m area)	*Cyanthillium cinereum* *Desmodium rhytidophyllum* *Dinebra decipiens* *Entolasia stricta* *Eragrostis megalosperma* *Fimbristylis dichotoma* *Glycine clandestina* *Lobelia purpurascens* *Lomandra confertifolia*	9
Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	28.6
Non-native plant cover (%)	12.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	2.0 m	**Total Length/ha**	20.0 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean
Native Perennial Grass Cover	N/A	N/A	N/A	N/A	N/A	N/A
Native Other Grass	N/A	N/A	N/A	N/A	N/A	N/A
Native Forbs (non-grass)	N/A	N/A	N/A	N/A	N/A	N/A
Native Shrubs (<1m in height)	N/A	N/A	N/A	N/A	N/A	N/A
Non-Native Grass	N/A	N/A	N/A	N/A	N/A	N/A
Non-Native Forbs & Shrubs	N/A	N/A	N/A	N/A	N/A	N/A
Litter	N/A	N/A	N/A	N/A	N/A	N/A
Rock	N/A	N/A	N/A	N/A	N/A	N/A
Bare Ground	N/A	N/A	N/A	N/A	N/A	N/A
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A
Total	100%	100%	100%	100%	100%	

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent					0.0 m
Canopy (T1)	*Eucalyptus propinqua*	24.1	30.2	6.1	49.3 m
	Eucalyptus propinqua	34.2	39.6	5.4	
	Eucalyptus propinqua	46.8	50.2	3.4	
	Eucalyptus microcorys	50.2	55.9	5.7	

	Angophora leiocarpa	56.7	60.3	3.6	
	Eucalyptus microcorys	60.2	73.9	13.7	
	Eucalyptus propinqua	81.2	88.7	7.5	
	Eucalyptus siderophloia	96.1	100.0	3.9	
Sub-Canopy (T2)	*Acacia concurrens*	16.5	27.6	11.1	15.5 m
	Acacia disparrima	30.4	34.8	4.4	
Shrub					0.0 m

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

Site ID	S8 Pine
Plot Size	100 m x 50 m
Observers	sophia.harris_attexo, subbie04, Darren_attexo

PROPERTY

Lot Plan*	1RP884860
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Sheldon, Redland City

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | *Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)*

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	153.182234	-27.593631	
Center/50m	153.181891	-27.593335	
End/100m	153.181526	-27.593016	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 314.3°		

ECOSYSTEM

Site Description	N/A
Sub-Bioregion*, Bioregion*	Burringbar - Conondale Ranges (12.3), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.11.24 - Eucalyptus carnea or E. tindaliae, Corymbia intermedia +/- E. siderophloia or E. crebra woodland on metamorphics +/- interbedded volcanics
GTRE Condition	Non-Remnant
Landform	HILLS - Slope or Hill Not Specified
Soil Colour, Texture	Brown, Clay Sandy Loam
Emergent height (E)	N/A
Canopy height (EDL)	14.7
Sub-canopy height (S)	6.2
Mistletoe Present	No
Barbed Wire Present	No

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	46 cm	N/A
Tree count	16.5	N/A
Trees/ha	33.0	N/A

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns “Large tree threshold _Eucalypt” and “Large tree threshold_ Non eucalypt”

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	7
Trees/ha	14

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)	*Acacia disparrima* *Acacia falcata* *Acacia fimbriata* *Alphitonia excelsa* *Angophora leiocarpa* *Corymbia citriodora* *Eucalyptus microcorys* *Eucalyptus propinqua* *Eucalyptus saligna* *Eucalyptus siderophloia* *Melaleuca quinquenervia* *Melaleuca salicina*	12
Native Shrub spp. (50 x 10m area)	*Acacia fimbriata* *Eucalyptus propinqua* *Melaleuca saligna*	3
Native Grass spp. (50 x 10m area)	*Lomandra longifolia* *Microlaena stipoides*	2
Native Forb spp. (50 x 10m area)	*Centella asiatica* *Cyanthillium cinereum* *Entolasia stricta* *Fimbristylis dichotoma* *Gahnia aspera* *Lobelia purpurascens* *Ottochloa gracillima* *Pteridium esculentum*	8
Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	50.0
Non-native plant cover (%)	8.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	3.0 m	**Total Length/ha**	30.0 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean
Native Perennial Grass Cover	0%	0%	0%	0%	0%	0.0%
Native Other Grass	0%	0%	0%	0%	0%	0.0%
Native Forbs (non-grass)	0%	0%	0%	0%	80%	16.2%
Native Shrubs (<1m in height)	0%	0%	0%	0%	0%	0.1%
Non-Native Grass	0%	0%	0%	0%	0%	0.0%
Non-Native Forbs & Shrubs	0%	0%	0%	0%	4%	0.8%
Litter	65%	64%	32%	96%	15%	54.5%
Rock	0%	0%	0%	0%	0%	0.0%
Bare Ground	35%	35%	68%	3%	1%	28.4%
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A
Total	100%	100%	100%	100%	100%	

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent					0.0 m
Canopy (T1)	*Eucalyptus propinqua*	16.2	21.4	5.2	29.1 m
	Acacia fimbriata	22.0	28.1	6.1	
	Acacia disparrima	32.5	37.1	4.6	
	Eucalyptus saligna	53.9	62.5	8.6	
	Acacia fimbriata	88.6	88.8	0.2	

	Acacia fimbriata	95.6	100.0	4.4	
Sub-Canopy (T2)	*Acacia falcata*	19.2	19.8	0.6	13.9 m
	Acacia fimbriata	35.5	36.0	0.5	
	Acacia fimbriata	36.8	42.1	5.3	
	Acacia fimbriata	50.0	52.3	2.3	
	Acacia fimbriata	81.7	85.5	3.8	
	Acacia fimbriata	92.1	93.5	1.4	
Shrub	*Acacia fimbriata*	59.8	62.8	3.0	13.8 m
	Melaleuca saligna	73.9	75.2	1.3	
	Eucalyptus propinqua	84.6	90.4	5.8	
	Acacia fimbriata	95.7	96.3	0.6	
	Acacia fimbriata	96.9	100.0	3.1	

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

Site ID	S9 Pine
Plot Size	100 m x 50 m
Observers	subbie08, sophia.harris_attexo, Darren_attexo

PROPERTY

Lot Plan*	1RP884860
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Sheldon, Redland City

Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	153.183095	-27.597033	
Center/50m	153.182701	-27.597308	
End/100m	153.182289	-27.597547	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 234.4°		

ECOSYSTEM

Site Description	Regrowth
Sub-Bioregion*, Bioregion*	Burringbar - Conondale Ranges (12.3), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.11.24 - Eucalyptus carnea or E. tindaliae, Corymbia intermedia +/- E. siderophloia or E. crebra woodland on metamorphics +/- interbedded volcanics
GTRE Condition	Regrowth
Landform	HILLS - Slope or Hill Not Specified
Soil Colour, Texture	Brown, Clay Silty Loam
Emergent height (E)	N/A
Canopy height (EDL)	15.5
Sub-canopy height (S)	9.2
Mistletoe Present	No
Barbed Wire Present	No

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	46 cm	N/A
Tree count	16.5	N/A
Trees/ha	33.0	N/A

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns "Large tree threshold _Eucalypt" and "Large tree threshold_ Non eucalypt"

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	6
Trees/ha	12

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)	*Acacia concurrens* *Acacia disparrima* *Acacia falcata* *Acacia fimbriata* *Angophora woodsiana* *Corymbia citriodora* *Eucalyptus crebra* *Eucalyptus microcorys* *Eucalyptus propinqua* *Eucalyptus saligna* *Eucalyptus siderophloia* *Lophostemon suaveolens* *Melaleuca quinquenervia* *Melaleuca saligna*	14
Native Shrub spp. (50 x 10m area)	*Melaleuca saligna*	1
Native Grass spp. (50 x 10m area)	*Aristida queenslandica* *Cymbopogon refractus* *Digitaria nematostachya* *Entolasia stricta* *Ottochloa gracillima* *Panicum effusum* *Paspalidium distans* *Setaria surgens*	8
Native Forb spp. (50 x 10m area)	*Acacia disparrima* *Cyanthillium cinereum* *Glycine clandestina* *Goodenia rotundifolia* *Lobelia purpurascens* *Lomandra confertifolia* *Phyllanthus virgatus* *Poranthera microphylla*	8
Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	10.0
Non-native plant cover (%)	7.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	3.7 m	**Total Length/ha**	37.0 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean
Native Perennial Grass Cover	3%	0%	0%	0%	0%	0.7%
Native Other Grass	0%	0%	0%	0%	0%	0.0%
Native Forbs (non-grass)	10%	0%	0%	0%	1%	2.2%
Native Shrubs (<1m in height)	0%	0%	0%	0%	0%	0.0%
Non-Native Grass	0%	5%	0%	0%	0%	1.0%
Non-Native Forbs & Shrubs	0%	0%	0%	0%	0%	0.0%
Litter	52%	10%	30%	95%	60%	49.4%
Rock	0%	0%	0%	0%	0%	0.0%
Bare Ground	35%	85%	70%	5%	39%	46.7%
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A
Total	100%	100%	100%	100%	100%	

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent					0.0 m

Canopy (T1)	*Eucalyptus microcorys*	0.0	5.0	5.0	57.7 m
	Eucalyptus saligna	5.1	18.4	13.3	
	Other - Capture in 'Species Notes'	22.8	27.9	5.1	
	Eucalyptus saligna	27.9	33.5	5.6	
	Eucalyptus saligna	50.4	60.3	9.9	
	Eucalyptus saligna	61.1	68.8	7.7	
	Eucalyptus saligna	70.0	81.1	11.1	
Sub-Canopy (T2)	*Melaleuca quinquenervia*	16.6	17.8	1.2	8.7 m
	Other - Capture in 'Species Notes'	38.2	40.8	2.6	
	Acacia disparrima	74.3	76.5	2.2	
	Eucalyptus microcorys	76.8	79.0	2.2	
	Eucalyptus crebra	99.5	100.0	0.5	
Shrub	*Acacia fimbriata*	28.3	29.8	1.5	1.5 m

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

Site ID	S1 uni
Plot Size	100 m x 50 m
Observers	subbie04, sophia.harris_attexo

PROPERTY

Lot Plan*	1RP98877
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Mount Cotton, Redland City

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | *Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)*

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	153.235042	-27.607893	
Center/50m	153.235160	-27.608321	
End/100m	153.235263	-27.608754	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 167.1°		

ECOSYSTEM

Site Description	Eucalypt woodland with weedy pasture
Sub-Bioregion*, Bioregion*	Burringbar - Conondale Ranges (12.3), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.11.24 - Eucalyptus carnea or E. tindaliae, Corymbia intermedia +/- E. siderophloia or E. crebra woodland on metamorphics +/- interbedded volcanics
GTRE Condition	Regrowth
Landform	HILLS - Slope or Hill Not Specified
Soil Colour, Texture	Brown, Clay Sandy Loam
Emergent height (E)	N/A
Canopy height (EDL)	22.9
Sub-canopy height (S)	10.8
Mistletoe Present	No
Barbed Wire Present	Yes

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	46 cm	N/A
Tree count	16.5	N/A
Trees/ha	33.0	N/A

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns "Large tree threshold _Eucalypt" and "Large tree threshold_ Non eucalypt"

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	28
Trees/ha	56

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)	*Acacia disparrima* *Allocasuarina littoralis* *Alphitonia excelsa* *Angophora woodsiana* *Corymbia citriodora* *Corymbia intermedia* *Corymbia trachyphloia* *Cyclophyllum coprosmoides* *Eucalyptus fibrosa* *Eucalyptus microcorys* *Eucalyptus siderophloia* *Jagera pseudorhus*	12
Native Shrub spp. (50 x 10m area)	*Acacia disparrima* *Alphitonia excelsa* *Glochidion ferdinandi* *Jagera pseudorhus*	4
Native Grass spp. (50 x 10m area)	*Entolasia stricta* *Eragrostis tenuifolia* *Ottochloa gracillima*	3
Native Forb spp. (50 x 10m area)	*Cyanthillium cinereum* *Eustrephus latifolius* *Gahnia aspera* *Goodenia rotundifolia* *Lobelia purpurascens* *Lomandra multiflora* *Pandorea pandorana* *Parsonsia straminea*	8
Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	71.4
Non-native plant cover (%)	80.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	13.6 m	**Total Length/ha**	136.0 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean
Native Perennial Grass Cover	0%	0%	64%	1%	61%	25.2%
Native Other Grass	0%	0%	0%	0%	0%	0.0%
Native Forbs (non-grass)	0%	0%	0%	5%	3%	1.7%
Native Shrubs (<1m in height)	0%	0%	0%	0%	0%	0.0%
Non-Native Grass	55%	40%	10%	8%	2%	23.0%
Non-Native Forbs & Shrubs	0%	0%	0%	0%	0%	0.0%
Litter	35%	57%	25%	84%	34%	47.0%
Rock	0%	0%	0%	0%	0%	0.0%
Bare Ground	10%	3%	1%	2%	0%	3.2%
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A
Total	100%	100%	100%	100%	100%	

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent					0.0 m
Canopy (T1)	*Eucalyptus siderophloia*	11.4	24.6	13.2	62.0 m
	Eucalyptus siderophloia	36.3	48.2	11.9	
	Corymbia intermedia	37.1	51.8	14.7	
	Corymbia citriodora	52.5	57.6	5.1	

	Corymbia intermedia	60.4	77.5	17.1	
Sub-Canopy (T2)	*Acacia aulacocarpa x Acacia disparrima* *Corymbia intermedia* *Corymbia intermedia* *Corymbia intermedia* *Acacia disparrima*	23.1 37.8 58.1 72.3 82.5	26.9 41.7 64.5 79.1 87.9	3.8 3.9 6.4 6.8 5.4	26.3 m
Shrub					0.0 m

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

Site ID	S2 uni
Plot Size	100 m x 50 m
Observers	subbie04, sophia.harris_attexo

PROPERTY

Lot Plan*	2RP169492
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Mount Cotton, Redland City

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | *Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)*

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	153.235912	-27.609138	
Center/50m	153.236402	-27.609250	
End/100m	153.236894	-27.609368	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 104.8°		

ECOSYSTEM

Site Description	Regrowth woodland Plot size 20m on either side. End has only 15m south
Sub-Bioregion*, Bioregion*	Burringbar - Conondale Ranges (12.3), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.11.24 - Eucalyptus carnea or E. tindaliae, Corymbia intermedia +/- E. siderophloia or E. crebra woodland on metamorphics +/- interbedded volcanics
GTRE Condition	Regrowth
Landform	HILLS - Slope or Hill Not Specified
Soil Colour, Texture	Brown, Clay Sandy Loam
Emergent height (E)	N/A
Canopy height (EDL)	25.0
Sub-canopy height (S)	12.3
Mistletoe Present	No
Barbed Wire Present	Yes

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	46 cm	N/A
Tree count	16.5	N/A
Trees/ha	33.0	N/A

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns "Large tree threshold _Eucalypt" and "Large tree threshold_ Non eucalypt"

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	59
Trees/ha	118

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)	*Acacia disparrima* *Allocasuarina littoralis* *Corymbia trachyphloia* *Denhamia celastroides* *Eucalyptus microcorys* *Eucalyptus propinqua* *Eucalyptus siderophloia* *Jagera pseudorhus* *Lophostemon confertus* *Lophostemon suaveolens* *Melaleuca saligna* *Mischocarpus pyriformis*	12
Native Shrub spp. (50 x 10m area)	*Denhamia celastroides* *Jagera pseudorhus*	2
Native Grass spp. (50 x 10m area)	*Ottochloa gracillima*	1
Native Forb spp. (50 x 10m area)	*Clematicissus opaca* *Cyanthillium cinereum* *Dioscorea transversa* *Eustrephus latifolius* *Glycine tabacina* *Lobelia purpurascens* *Lomandra longifolia* *Pandorea pandorana* *Pigea stellarioides* *Pseuderanthemum variabile* *Smilax australis* *Tricoryne anceps*	12
Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	80.0
Non-native plant cover (%)	15.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	29.7 m	**Total Length/ha**	297.0 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean
Native Perennial Grass Cover	40%	10%	48%	25%	15%	27.5%
Native Other Grass	0%	0%	0%	0%	0%	0.0%
Native Forbs (non-grass)	2%	7%	15%	20%	7%	10.1%
Native Shrubs (<1m in height)	0%	0%	0%	0%	0%	0.0%
Non-Native Grass	0%	0%	0%	0%	0%	0.0%
Non-Native Forbs & Shrubs	2%	0%	0%	0%	0%	0.6%
Litter	56%	82%	35%	54%	78%	61.1%
Rock	0%	0%	0%	0%	0%	0.0%
Bare Ground	0%	0%	2%	1%	0%	0.7%
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A
Total	100%	100%	100%	100%	100%	

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent					0.0 m
Canopy (T1)	*Eucalyptus microcorys*	0.0	0.8	0.8	75.3 m
	Eucalyptus microcorys	0.8	5.0	4.2	
	Eucalyptus propinqua	8.9	11.0	2.1	

	Eucalyptus microcorys	11.8	15.1	3.3	
	Eucalyptus propinqua	35.9	46.1	10.2	
	Eucalyptus acmenoides	45.1	56.8	11.7	
	Eucalyptus propinqua	64.0	69.2	5.2	
	Eucalyptus microcorys	73.0	88.8	15.8	
	Eucalyptus propinqua	80.3	90.2	9.9	
	Eucalyptus acmenoides	87.9	94.1	6.2	
	Eucalyptus siderophloia	94.1	100.0	5.9	
Sub-Canopy (T2)	*Eucalyptus microcorys*	5.0	7.6	2.6	52.8 m
	Lophostemon confertus	7.6	10.1	2.5	
	Lophostemon confertus	17.1	19.9	2.8	
	Eucalyptus acmenoides	21.3	26.8	5.5	
	Lophostemon confertus	28.1	30.6	2.5	
	Lophostemon confertus	33.1	40.4	7.3	
	Eucalyptus propinqua	41.3	44.7	3.4	
	Eucalyptus acmenoides	44.1	49.6	5.5	
	Lophostemon confertus	52.1	60.4	8.3	
	Lophostemon confertus	54.5	61.8	7.3	
	Eucalyptus acmenoides	69.8	72.9	3.1	
	Eucalyptus microcorys	89.0	91.0	2.0	
Shrub					0.0 m

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

Site ID	S3 uni
Plot Size	100 m x 50 m
Observers	Subbie05, sophia.harris_attexo, subbie04

PROPERTY

Lot Plan*	2RP169492
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Mount Cotton, Redland City

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | *Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)*

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	153.239938	-27.610528	
Center/50m	153.240478	-27.610537	
End/100m	153.240942	-27.610520	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 89.5°		

ECOSYSTEM

Site Description	N/A
Sub-Bioregion*, Bioregion*	Burringbar - Conondale Ranges (12.3), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.11.27 - Eucalyptus racemosa subsp. racemosa and/or E. seeana and Corymbia intermedia woodland on metamorphics +/- interbedded volcanics
GTRE Condition	Regrowth
Landform	HILLS - Slope or Hill Not Specified
Soil Colour, Texture	Brown, Clay Sandy Loam
Emergent height (E)	N/A
Canopy height (EDL)	19.5
Sub-canopy height (S)	8.8
Mistletoe Present	No
Barbed Wire Present	No

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	50 cm	31 cm
Tree count	13.5	1.0
Trees/ha	27.0	2.0

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns "Large tree threshold _Eucalypt" and "Large tree threshold_ Non eucalypt"

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	48
Trees/ha	96

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)	*Acacia disparrima* *Acacia fimbriata* *Allocasuarina littoralis* *Alphitonia excelsa* *Corymbia citriodora* *Corymbia trachyphloia* *Eucalyptus acmenoides* *Eucalyptus microcorys* *Eucalyptus propinqua* *Eucalyptus racemosa* *Eucalyptus resinifera* *Eucalyptus siderophloia* *Jagera pseudorhus* *Lophostemon confertus* *Melaleuca saligna*	15
Native Shrub spp. (50 x 10m area)	*Acacia disparrima* *Corymbia sp.* *Eucalyptus sp.* *Jagera pseudorhus* *Solanum stelligerum*	5
Native Grass spp. (50 x 10m area)	*Cymbopogon refractus* *Digitaria parviflora* *Entolasia stricta* *Imperata cylindrica* *Ottochloa gracillima*	5
Native Forb spp. (50 x 10m area)	*Clematicissus opaca* *Cyanthillium cinereum* *Desmodium rhytidophyllum* *Eustrephus latifolius* *Gahnia aspera* *Goodenia rotundifolia* *Lepidosperma laterale* *Lobelia purpurascens* *Lomandra confertifolia* *Lomandra multiflora* *Pandorea pandorana* *Parsonsia sp.* *Pseuderanthemum variabile* *Smilax australis* *Trophis scandens* *Xanthorrhoea latifolia*	16
Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	100.0
Non-native plant cover (%)	15.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	37.5 m	**Total Length/ha**	374.5 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean
Native Perennial Grass Cover	0%	0%	0%	0%	0%	0.0%
Native Other Grass	0%	8%	2%	35%	10%	11.0%
Native Forbs (non-grass)	5%	60%	0%	10%	35%	22.0%
Native Shrubs (<1m in height)	0%	0%	0%	1%	0%	0.2%
Non-Native Grass	0%	0%	0%	0%	0%	0.0%
Non-Native Forbs & Shrubs	1%	1%	10%	3%	0%	3.0%
Litter	94%	31%	88%	51%	55%	63.7%

Rock	0%	0%	0%	0%	0%	0.0%
Bare Ground	0%	0%	0%	0%	0%	0.1%
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A
Total	100%	100%	100%	100%	100%	

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent					0.0 m
Canopy (T1)	*Eucalyptus microcorys*	12.5	28.2	15.7	55.3 m
	Other - Capture in 'Species Notes'	20.1	28.9	8.8	
	Lophostemon confertus	35.8	44.6	8.8	
	Eucalyptus microcorys	56.3	60.0	3.7	
	Eucalyptus microcorys	67.3	71.6	4.3	
	Eucalyptus microcorys	87.4	96.5	9.1	
	Corymbia trachyphloia	95.1	100.0	4.9	
Sub-Canopy (T2)	*Lophostemon confertus*	0.0	9.1	9.1	51.0 m
	Lophostemon confertus	6.7	10.1	3.4	
	Other - Capture in 'Species Notes'	21.1	22.1	1.0	
	Corymbia intermedia	28.9	32.3	3.4	
	Corymbia intermedia	31.8	37.7	5.9	
	Lophostemon confertus	67.3	70.6	3.3	
	Other - Capture in 'Species Notes'	69.2	74.4	5.2	
	Lophostemon confertus	74.1	82.1	8.0	
	Allocasuarina littoralis	84.8	91.1	6.3	
	Allocasuarina littoralis	90.1	95.5	5.4	
Shrub					0.0 m

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

Site ID	S4 uni
Plot Size	100 m x 50 m
Observers	Subbie01, subbie04, sophia.harris_attexo

PROPERTY

Lot Plan*	261SP213421
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Mount Cotton, Redland City

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | *Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)*

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	153.244793	-27.607335	
Center/50m	153.244493	-27.607674	
End/100m	153.244170	-27.607989	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 220.3°		

ECOSYSTEM

Site Description	Remnant eucalyptus forest
Sub-Bioregion*, Bioregion*	Burringbar - Conondale Ranges (12.3), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.11.27 - Eucalyptus racemosa subsp. racemosa and/or E. seeana and Corymbia intermedia woodland on metamorphics +/- interbedded volcanics
GTRE Condition	Remnant
Landform	PLAIN - Alluvial Plain or Flat, Alluvium, Flood Plain
Soil Colour, Texture	Brown, Clay Loam
Emergent height (E)	N/A
Canopy height (EDL)	22.3
Sub-canopy height (S)	16.8
Mistletoe Present	No
Barbed Wire Present	No

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	50 cm	31 cm
Tree count	13.5	1.0
Trees/ha	27.0	2.0

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns "Large tree threshold _Eucalypt" and "Large tree threshold_ Non eucalypt"

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	62
Trees/ha	124

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)	*Acacia disparrima* *Acacia fimbriata* *Allocasuarina littoralis* *Alphitonia excelsa* *Angophora leiocarpa* *Corymbia intermedia* *Corymbia trachyphloia* *Cryptocarya microneura* *Eucalyptus microcorys* *Eucalyptus propinqua* *Eucalyptus racemosa* *Eucalyptus resinifera* *Eucalyptus siderophloia* *Ficus sp.* *Glochidion ferdinandi* *Jagera pseudorhus* *Lophostemon confertus* *Lophostemon suaveolens* *Melaleuca saligna* *Schizomeria ovata*	20
Native Shrub spp. (50 x 10m area)	*Acacia disparrima* *Acacia longissima* *Alphitonia excelsa* *Banksia integrifolia* *Glochidion ferdinandi* *Jagera pseudorhus* *Lophostemon suaveolens*	7
Native Grass spp. (50 x 10m area)	*Entolasia marginata* *Entolasia stricta* *Imperata cylindrica* *Ottochloa gracillima* *Panicum effusum*	5
Native Forb spp. (50 x 10m area)	*Desmodium rhytidophyllum* *Dianella caerulea* *Eustrephus latifolius* *Gahnia aspera* *Goodenia rotundifolia* *Gynochthodes jasminoides* *Hibbertia vestita* *Lobelia purpurascens* *Lomandra longifolia* *Lomandra multiflora* *Pandorea pandorana* *Parsonsia straminea* *Smilax australis* *Stephania japonica* *Xanthorrhoea latifolia*	15
Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	75.0
Non-native plant cover (%)	3.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	59.8 m	**Total Length/ha**	598.0 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean

Native Perennial Grass Cover	0%	0%	0%	0%	0%	0.0%
Native Other Grass	3%	6%	8%	30%	40%	17.4%
Native Forbs (non-grass)	55%	59%	8%	25%	3%	30.0%
Native Shrubs (<1m in height)	0%	0%	0%	0%	0%	0.0%
Non-Native Grass	0%	0%	0%	0%	0%	0.0%
Non-Native Forbs & Shrubs	0%	0%	0%	0%	0%	0.0%
Litter	42%	35%	84%	45%	57%	52.6%
Rock	0%	0%	0%	0%	0%	0.0%
Bare Ground	0%	0%	0%	0%	0%	0.0%
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A
Total	100%	100%	100%	100%	100%	

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent					0.0 m
Canopy (T1)	*Eucalyptus siderophloia*	6.8	13.1	6.3	85.3 m
	Eucalyptus propinqua	10.8	22.5	11.7	
	Eucalyptus racemosa	15.0	23.5	8.5	
	Lophostemon confertus	26.0	33.2	7.2	
	Eucalyptus racemosa	29.3	43.9	14.6	
	Other - Capture in 'Species Notes'	51.2	57.4	6.2	
	Eucalyptus racemosa	60.2	73.3	13.1	
	Eucalyptus racemosa	74.6	83.1	8.5	
	Eucalyptus racemosa	92.2	95.0	2.8	
	Angophora leiocarpa	93.6	100.0	6.4	
Sub-Canopy (T2)	*Corymbia trachyphloia*	0.0	1.0	1.0	72.9 m
	Other - Capture in 'Species Notes'	0.0	1.1	1.1	
	Allocasuarina littoralis	1.0	3.3	2.3	
	Lophostemon suaveolens	2.8	6.6	3.8	
	Melaleuca saligna	3.0	6.9	3.9	
	Eucalyptus siderophloia	6.1	11.9	5.8	
	Other - Capture in 'Species Notes'	10.5	19.3	8.8	
	Corymbia trachyphloia	20.2	22.3	2.1	
	Corymbia intermedia	24.1	26.1	2.0	
	Lophostemon suaveolens	28.1	31.9	3.8	
	Other - Capture in 'Species Notes'	29.0	31.7	2.7	
	Allocasuarina littoralis	31.2	33.2	2.0	
	Allocasuarina littoralis	44.2	48.3	4.1	
	Eucalyptus acmenoides	45.3	51.1	5.8	
	Lophostemon suaveolens	59.2	62.1	2.9	
	Lophostemon confertus	62.2	64.5	2.3	
	Lophostemon suaveolens	66.2	68.1	1.9	
	Eucalyptus acmenoides	79.4	83.1	3.7	
	Allocasuarina littoralis	80.1	87.4	7.3	
	Lophostemon confertus	85.5	91.1	5.6	
Shrub	*Acmena smithii*	15.4	17.4	2.0	2.0 m

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

Site ID	S5 uni
Plot Size	100 m x 50 m
Observers	sophia.harris_attexo, subbie04, Subbie05

PROPERTY

Lot Plan*	261SP213421
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Mount Cotton, Redland City

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | *Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)*

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	153.242500	-27.608828	
Center/50m	153.242749	-27.608413	
End/100m	153.242985	-27.608062	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 29.5°		

ECOSYSTEM

Site Description	N/A
Sub-Bioregion*, Bioregion*	Burringbar - Conondale Ranges (12.3), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.3.11 - Eucalyptus tereticornis +/- Eucalyptus siderophloia, Corymbia intermedia open forest on alluvial plains usually near coast
GTRE Condition	Remnant
Landform	STREAMS - Bed of Channel - Distributaries of Inland Streams, Beds and Intermittently Flooded
Soil Colour, Texture	Brown, Clay Silty Loam
Emergent height (E)	N/A
Canopy height (EDL)	22.1
Sub-canopy height (S)	12.2
Mistletoe Present	No
Barbed Wire Present	No

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	49 cm	36 cm
Tree count	11.0	4.0
Trees/ha	22.0	8.0

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns "Large tree threshold _Eucalypt" and "Large tree threshold_ Non eucalypt"

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	38
Trees/ha	76

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)	*Acacia disparrima* *Angophora leiocarpa* *Corymbia intermedia* *Eucalyptus acmenoides* *Eucalyptus microcorys* *Eucalyptus siderophloia* *Eucalyptus tereticornis* *Ficus coronata* *Ficus macrophylla* *Hibiscus heterophyllus* *Jagera pseudorhus* *Lophostemon confertus* *Melaleuca salicina* *Pittosporum sp.* Rainforest sp. 1 Rainforest sp. 2 Rainforest sp. 3 Rainforest sp. 4	18
Native Shrub spp. (50 x 10m area)	*Ficus coronata* *Gahnia aspera*	2
Native Grass spp. (50 x 10m area)	*Ottochloa gracillima*	1
Native Forb spp. (50 x 10m area)	*Eustrephus latifolius* *Flagellaria indica* *Lobelia purpurascens* *Lomandra longifolia* *Pandorea pandorana* *Smilax australis*	6
Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	50.0
Non-native plant cover (%)	60.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	41.1 m	**Total Length/ha**	411.0 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean
Native Perennial Grass Cover	0%	0%	0%	0%	0%	0.0%
Native Other Grass	0%	70%	50%	7%	7%	26.8%
Native Forbs (non-grass)	8%	6%	0%	10%	0%	4.9%
Native Shrubs (<1m in height)	0%	0%	0%	1%	0%	0.2%
Non-Native Grass	0%	0%	0%	0%	0%	0.0%
Non-Native Forbs & Shrubs	4%	12%	40%	15%	20%	18.2%
Litter	79%	12%	10%	67%	69%	47.4%
Rock	0%	0%	0%	0%	0%	0.0%
Bare Ground	8%	0%	0%	0%	4%	2.5%
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A
Total	100%	100%	100%	100%	100%	

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent					0.0 m
Canopy (T1)	*Lophostemon confertus*	8.6	14.9	6.3	88.3 m
	Archontophoenix alexandrae	22.3	27.3	5.0	
	Eucalyptus siderophloia	32.0	53.8	21.8	

	Eucalyptus tereticornis	54.3	60.9	6.6	
	Lophostemon confertus	60.9	84.1	23.2	
	Lophostemon confertus	65.6	76.5	10.9	
	Lophostemon confertus	73.3	79.6	6.3	
	Lophostemon confertus	89.5	97.7	8.2	
Sub-Canopy (T2)	*Other - Capture in 'Species Notes'*	0.0	4.0	4.0	51.4 m
	Other - Capture in 'Species Notes'	6.2	11.8	5.6	
	Other - Capture in 'Species Notes'	14.5	20.1	5.6	
	Other - Capture in 'Species Notes'	17.2	23.3	6.1	
	Lophostemon confertus	32.2	44.1	11.9	
	Lophostemon suaveolens	45.6	47.7	2.1	
	Lophostemon confertus	56.0	65.2	9.2	
	Other - Capture in 'Species Notes'	70.9	77.8	6.9	
Shrub					0.0 m

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

Site ID	S6 Uni
Plot Size	100 m x 50 m
Observers	sophia.harris_attexo, subbie04, subbie08, Subbie05

PROPERTY

Lot Plan*	1RP98877
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Mount Cotton, Redland City

Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	153.241470	-27.602223	
Center/50m	153.240990	-27.602203	
End/100m	153.240480	-27.602146	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 275.1°		

ECOSYSTEM

Site Description	0m, north 25m wide, south 22m wide
Sub-Bioregion*, Bioregion*	Burringbar - Conondale Ranges (12.3), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.3.11 - Eucalyptus tereticornis +/- Eucalyptus siderophloia, Corymbia intermedia open forest on alluvial plains usually near coast
GTRE Condition	Remnant
Landform	STREAMS - Lakes, Banks of Lake, River, Stream, Water Course, Levees and Permanent Water
Soil Colour, Texture	Brown, Clay Sandy Loam
Emergent height (E)	N/A
Canopy height (EDL)	23.5
Sub-canopy height (S)	15.5
Mistletoe Present	No
Barbed Wire Present	No

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	49 cm	36 cm
Tree count	11.0	4.0
Trees/ha	22.0	8.0

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns "Large tree threshold _Eucalypt" and "Large tree threshold_ Non eucalypt"

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	53
Trees/ha	106

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)	*Acacia disparrima* *Acmena smithii* *Angophora leiocarpa* *Brachychiton acerifolius* *Clerodendrum floribundum* *Corymbia intermedia* *Eucalyptus propinqua* *Eucalyptus siderophloia* *Eucalyptus tereticornis* *Ficus coronata* *Hibiscus heterophyllus* *Jagera pseudorhus* *Lophostemon confertus* *Lophostemon suaveolens* *Melaleuca sp.* *Pittosporum sp.* Rainforest sp. 1 Rainforest sp. 2 Rainforest sp. 3 Rainforest sp. 4 Rainforest sp. 5	21
Native Shrub spp. (50 x 10m area)	*Brachychiton acerifolius* *Ficus coronata* *Hibiscus heterophyllus*	3
Native Grass spp. (50 x 10m area)	*Entolasia stricta* *Ottochloa gracillima*	2
Native Forb spp. (50 x 10m area)	*Dianella caerulea* *Echinostephia aculeata* *Eustrephus latifolius* *Flagellaria indica* *Gahnia aspera* *Gynochthodes jasminoides* *Lobelia purpurascens* *Lomandra longifolia* *Lomandra multiflora* *Maclura cochinchinensis* *Smilax australis* *Solanum stelligerum*	12
Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	57.1
Non-native plant cover (%)	32.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	29.4 m	**Total Length/ha**	294.0 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean
Native Perennial Grass Cover	0%	0%	0%	0%	0%	0.0%
Native Other Grass	0%	0%	2%	2%	0%	0.9%
Native Forbs (non-grass)	0%	3%	2%	5%	1%	2.2%
Native Shrubs (<1m in height)	0%	0%	0%	0%	0%	0.0%
Non-Native Grass	0%	0%	0%	0%	0%	0.0%
Non-Native Forbs & Shrubs	5%	0%	3%	15%	40%	12.6%
Litter	90%	94%	89%	78%	59%	81.9%
Rock	0%	0%	0%	0%	0%	0.0%
Bare Ground	5%	3%	4%	0%	0%	2.4%
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A

Total	100%	100%	100%	100%	100%

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent					0.0 m
Canopy (T1)	*Eucalyptus propinqua*	3.2	13.7	10.5	65.7 m
	Lophostemon confertus	14.4	26.3	11.9	
	Lophostemon confertus	26.7	33.5	6.8	
	Eucalyptus siderophloia	37.2	43.3	6.1	
	Eucalyptus siderophloia	42.9	49.5	6.6	
	Eucalyptus siderophloia	46.9	61.2	14.3	
	Eucalyptus tereticornis	73.8	83.3	9.5	
Sub-Canopy (T2)	*Acacia disparrima*	6.5	10.9	4.4	39.8 m
	Lophostemon confertus	10.2	13.8	3.6	
	Melaleuca saligna	33.4	38.6	5.2	
	Jagera pseudorhus	34.9	42.4	7.5	
	Lophostemon confertus	34.9	41.1	6.2	
	Lophostemon confertus	73.5	84.5	11.0	
	Lophostemon confertus	86.4	88.3	1.9	
Shrub	*Hibiscus heterophyllus*	31.3	34.6	3.3	3.3 m

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

Site ID	S7 uni
Plot Size	100 m x 50 m
Observers	subbie04, Subbie01, Subbie05, sophia.harris_attexo

PROPERTY

Lot Plan*	261SP213421
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Mount Cotton, Redland City

Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	153.245071	-27.603579	
Center/50m	153.245394	-27.603961	
End/100m	153.245710	-27.604295	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 141.5°		

ECOSYSTEM

Site Description	Remnant eucalyptus forest. Road on one side. Full 50m transect. Moved to have full width further from the other RE
Sub-Bioregion*, Bioregion*	Burringbar - Conondale Ranges (12.3), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.11.27 - Eucalyptus racemosa subsp. racemosa and/or E. seeana and Corymbia intermedia woodland on metamorphics +/- interbedded volcanics
GTRE Condition	Remnant
Landform	PLAIN - Alluvial Plain or Flat, Alluvium, Flood Plain
Soil Colour, Texture	Brown, Clay Loam
Emergent height (E)	N/A
Canopy height (EDL)	26.0
Sub-canopy height (S)	9.2
Mistletoe Present	No
Barbed Wire Present	No

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	50 cm	31 cm
Tree count	13.5	1.0
Trees/ha	27.0	2.0

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns "Large tree threshold _Eucalypt" and "Large tree threshold_ Non eucalypt"

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	61
Trees/ha	122

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)	*Acacia disparrima* *Acacia fimbriata* *Allocasuarina littoralis* *Alphitonia excelsa* *Angophora leiocarpa* *Angophora woodsiana* *Banksia integrifolia* *Corymbia intermedia* *Corymbia trachyphloia* *Eucalyptus acmenoides* *Eucalyptus racemosa* *Eucalyptus siderophloia* *Eucalyptus tereticornis* *Heptapleurum actinophyllum* *Jagera pseudorhus* *Lophostemon confertus* Lophostomen suaveolens Schizomeria ovata	18
Native Shrub spp. (50 x 10m area)	*Acacia disparrima* *Acrotriche aggregata* *Alphitonia excelsa* *Heptapleurum actinophyllum* *Jagera pseudorhus*	5
Native Grass spp. (50 x 10m area)	*Cymbopogon refractus* *Entolasia marginata* *Entolasia stricta* *Imperata cylindrica* *Ottochloa gracillima*	5
Native Forb spp. (50 x 10m area)	*Desmodium rhytidophyllum* *Eustrephus latifolius* *Gahnia aspera* *Goodenia rotundifolia* *Lepidosperma laterale* *Lobelia purpurascens* *Lomandra multiflora* *Smilax australis* *Tricoryne anceps*	9
Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	100.0
Non-native plant cover (%)	3.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	37.0 m	**Total Length/ha**	369.5 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean
Native Perennial Grass Cover	0%	0%	0%	0%	0%	0.0%
Native Other Grass	4%	30%	3%	57%	0%	18.9%
Native Forbs (non-grass)	76%	40%	68%	7%	90%	56.2%
Native Shrubs (<1m in height)	0%	0%	0%	1%	0%	0.4%
Non-Native Grass	0%	0%	0%	0%	0%	0.0%
Non-Native Forbs & Shrubs	0%	0%	0%	0%	0%	0.0%
Litter	18%	30%	28%	35%	10%	24.2%
Rock	0%	0%	0%	0%	0%	0.0%
Bare Ground	2%	0%	0%	0%	0%	0.3%
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A
Total	100%	100%	100%	100%	100%	

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent					0.0 m
Canopy (T1)	*Lophostemon confertus*	0.0	1.0	1.0	85.9 m
	Other - Capture in 'Species Notes'	1.7	5.0	3.3	
	Corymbia intermedia	3.0	5.0	2.0	
	Corymbia intermedia	6.8	17.1	10.3	
	Corymbia intermedia	17.8	22.0	4.2	
	Eucalyptus acmenoides	26.5	27.4	0.9	
	Eucalyptus acmenoides	27.5	33.1	5.6	
	Other - Capture in 'Species Notes'	30.0	33.0	3.0	
	Eucalyptus racemosa	33.2	35.7	2.5	
	Eucalyptus acmenoides	36.8	39.6	2.8	
	Other - Capture in 'Species Notes'	39.9	44.4	4.5	
	Other - Capture in 'Species Notes'	41.4	42.4	1.0	
	Other - Capture in 'Species Notes'	43.1	44.8	1.7	
	Other - Capture in 'Species Notes'	47.8	55.1	7.3	
	Eucalyptus acmenoides	64.1	75.2	11.1	
	Corymbia intermedia	73.3	82.3	9.0	
	Angophora woodsiana	83.9	86.0	2.1	
	Eucalyptus racemosa	85.1	94.4	9.3	
	Other - Capture in 'Species Notes'	95.7	100.0	4.3	
Sub-Canopy (T2)	*Allocasuarina littoralis*	49.8	51.1	1.3	27.3 m
	Alphitonia excelsa	55.0	58.1	3.1	
	Lophostemon confertus	60.6	63.9	3.3	
	Allocasuarina littoralis	62.8	68.3	5.5	
	Alphitonia excelsa	65.7	69.7	4.0	
	Alphitonia excelsa	70.0	70.5	0.5	
	Angophora woodsiana	82.6	86.0	3.4	
	Allocasuarina littoralis	85.6	89.0	3.4	
	Allocasuarina littoralis	90.7	93.5	2.8	
Shrub					0.0 m

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

Site ID	S8 uni
Plot Size	100 m x 50 m
Observers	subbie04, sophia.harris_attexo

PROPERTY

Lot Plan*	2RP169492
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Mount Cotton, Redland City

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | *Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)*

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	153.236333	-27.610152	
Center/50m	153.236849	-27.610172	
End/100m	153.237347	-27.610167	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 90.9°		

ECOSYSTEM

Site Description	Weed dominated pasture
Sub-Bioregion*, Bioregion*	Burringbar - Conondale Ranges (12.3), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.11.24 - Eucalyptus carnea or E. tindaliae, Corymbia intermedia +/- E. siderophloia or E. crebra woodland on metamorphics +/- interbedded volcanics
GTRE Condition	Non-Remnant
Landform	PLAIN - Not Otherwise Specified, Flat Gentle Slopes, Undulating Terrain
Soil Colour, Texture	Brown, Clay Loam
Emergent height (E)	N/A
Canopy height (EDL)	N/A
Sub-canopy height (S)	N/A
Mistletoe Present	No
Barbed Wire Present	No

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	46 cm	N/A
Tree count	16.5	N/A
Trees/ha	33.0	N/A

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns "Large tree threshold _Eucalypt" and "Large tree threshold_ Non eucalypt"

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	0
Trees/ha	0

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)		0
Native Shrub spp. (50 x 10m area)		0
Native Grass spp. (50 x 10m area)	*Eragrostis sp.* *Digitaria sp.*	2
Native Forb spp. (50 x 10m area)	*Oxalis exilis*	1
Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	N/A
Non-native plant cover (%)	99.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	0.0 m	**Total Length/ha**	0.0 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean
Native Perennial Grass Cover	0%	0%	1%	0%	0%	0.1%
Native Other Grass	0%	0%	0%	0%	0%	0.0%
Native Forbs (non-grass)	0%	0%	0%	0%	0%	0.0%
Native Shrubs (<1m in height)	0%	0%	0%	0%	0%	0.0%
Non-Native Grass	99%	97%	97%	100%	99%	98.4%
Non-Native Forbs & Shrubs	0%	2%	1%	N/A	0%	0.7%
Litter	1%	1%	0%	0%	0%	0.4%
Rock	0%	0%	0%	0%	0%	0.0%
Bare Ground	0%	0%	2%	0%	0%	0.4%
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A
Total	100%	100%	100%	100%	100%	

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent					0.0 m
Canopy (T1)					0.0 m
Sub-Canopy (T2)					0.0 m
Shrub					0.0 m

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

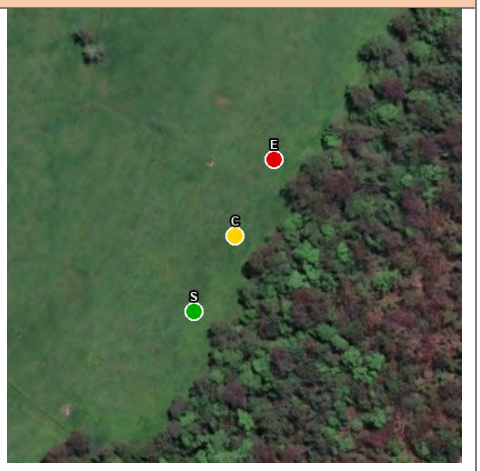
Site ID	S12 uni
Plot Size	100 m x 50 m
Observers	subbie04, sophia.harris_attexo

PROPERTY

Lot Plan*	261SP213421
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Mount Cotton, Redland City

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | *Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)*

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	153.243469	-27.606915	
Center/50m	153.243708	-27.606518	
End/100m	153.243943	-27.606119	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 28.0°		

ECOSYSTEM

Site Description	Weed dominated pasture
Sub-Bioregion*, Bioregion*	Burringbar - Conondale Ranges (12.3), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.3.11 - Eucalyptus tereticornis +/- Eucalyptus siderophloia, Corymbia intermedia open forest on alluvial plains usually near coast
GTRE Condition	Non-Remnant
Landform	PLAIN - Alluvial Plain or Flat, Alluvium, Flood Plain
Soil Colour, Texture	Grey, Clay
Emergent height (E)	N/A
Canopy height (EDL)	N/A
Sub-canopy height (S)	N/A
Mistletoe Present	No
Barbed Wire Present	No

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	49 cm	36 cm
Tree count	11.0	4.0
Trees/ha	22.0	8.0

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns "Large tree threshold _Eucalypt" and "Large tree threshold_ Non eucalypt"

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	0
Trees/ha	0

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)		0
Native Shrub spp. (50 x 10m area)		0
Native Grass spp. (50 x 10m area)	*Juncus usitatus*	1
Native Forb spp. (50 x 10m area)		0
Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	N/A
Non-native plant cover (%)	95.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	0.0 m	**Total Length/ha**	0.0 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean
Native Perennial Grass Cover	0%	0%	0%	0%	0%	0.0%
Native Other Grass	0%	0%	0%	0%	0%	0.0%
Native Forbs (non-grass)	0%	0%	0%	0%	0%	0.0%
Native Shrubs (<1m in height)	0%	0%	0%	0%	0%	0.0%
Non-Native Grass	15%	0%	28%	30%	49%	24.4%
Non-Native Forbs & Shrubs	4%	20%	7%	0%	0%	6.2%
Litter	81%	80%	59%	67%	51%	67.6%
Rock	0%	0%	0%	0%	0%	0.0%
Bare Ground	0%	0%	6%	3%	0%	1.8%
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A
Total	100%	100%	100%	100%	100%	

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent					0.0 m
Canopy (T1)					0.0 m
Sub-Canopy (T2)					0.0 m
Shrub					0.0 m

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

Site ID	S13 uni
Plot Size	100 m x 50 m
Observers	subbie04, sophia.harris_attexo

PROPERTY

Lot Plan*	261SP213421
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Mount Cotton, Redland City

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	153.244347	-27.605487	
Center/50m	153.244560	-27.605087	
End/100m	153.244770	-27.604668	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 24.7°		

ECOSYSTEM

Site Description	Weed dominated pasture
Sub-Bioregion*, Bioregion*	Burringbar - Conondale Ranges (12.3), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.3.11 - Eucalyptus tereticornis +/- Eucalyptus siderophloia, Corymbia intermedia open forest on alluvial plains usually near coast
GTRE Condition	Non-Remnant
Landform	PLAIN - Alluvial Plain or Flat, Alluvium, Flood Plain
Soil Colour, Texture	Grey, Clay
Emergent height (E)	N/A
Canopy height (EDL)	N/A
Sub-canopy height (S)	N/A
Mistletoe Present	No
Barbed Wire Present	No

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	49 cm	36 cm
Tree count	11.0	4.0
Trees/ha	22.0	8.0

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns "Large tree threshold _Eucalypt" and "Large tree threshold_ Non eucalypt"

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	0
Trees/ha	0

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)		0
Native Shrub spp. (50 x 10m area)		0
Native Grass spp. (50 x 10m area)		0
Native Forb spp. (50 x 10m area)	*Lobelia purpurascens*	1
Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	N/A
Non-native plant cover (%)	95.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	0.0 m	**Total Length/ha**	0.0 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean
Native Perennial Grass Cover	0%	0%	0%	0%	0%	0.0%
Native Other Grass	0%	0%	0%	0%	0%	0.0%
Native Forbs (non-grass)	0%	0%	0%	0%	0%	0.0%
Native Shrubs (<1m in height)	0%	0%	0%	0%	0%	0.0%
Non-Native Grass	35%	66%	30%	71%	8%	42.0%
Non-Native Forbs & Shrubs	35%	14%	19%	0%	1%	13.8%
Litter	30%	20%	48%	25%	88%	42.3%
Rock	0%	0%	0%	0%	0%	0.0%
Bare Ground	0%	0%	3%	4%	2%	1.9%
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A
Total	100%	100%	100%	100%	100%	

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent					0.0 m
Canopy (T1)					0.0 m
Sub-Canopy (T2)					0.0 m
Shrub					0.0 m

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

Site ID	S14 uni
Plot Size	100 m x 50 m
Observers	subbie04, sophia.harris_attexo

PROPERTY

Lot Plan*	1RP98877
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Mount Cotton, Redland City

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | *Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)*

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	153.236142	-27.603106	
Center/50m	153.236202	-27.602661	
End/100m	153.236251	-27.602218	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 6.3°		

ECOSYSTEM

Site Description	Weed dominated pasture
Sub-Bioregion*, Bioregion*	Burringbar - Conondale Ranges (12.3), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.11.24 - Eucalyptus carnea or E. tindaliae, Corymbia intermedia +/- E. siderophloia or E. crebra woodland on metamorphics +/- interbedded volcanics
GTRE Condition	Non-Remnant
Landform	HILLS - Slope or Hill Not Specified
Soil Colour, Texture	Brown, Clay Loam
Emergent height (E)	N/A
Canopy height (EDL)	N/A
Sub-canopy height (S)	N/A
Mistletoe Present	No
Barbed Wire Present	No

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	46 cm	N/A
Tree count	16.5	N/A
Trees/ha	33.0	N/A

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns "Large tree threshold _Eucalypt" and "Large tree threshold_ Non eucalypt"

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	0
Trees/ha	0

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)		0
Native Shrub spp. (50 x 10m area)		0
Native Grass spp. (50 x 10m area)	*Juncus usitatus*	1
Native Forb spp. (50 x 10m area)	*Cotula australis* *Lobelia purpurascens*	2
Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	N/A
Non-native plant cover (%)	85.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	0.0 m	**Total Length/ha**	0.0 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean
Native Perennial Grass Cover	0%	0%	0%	0%	0%	0.0%
Native Other Grass	0%	0%	0%	0%	2%	0.4%
Native Forbs (non-grass)	0%	0%	0%	0%	4%	0.7%
Native Shrubs (<1m in height)	0%	0%	0%	0%	0%	0.0%
Non-Native Grass	38%	44%	76%	79%	72%	61.7%
Non-Native Forbs & Shrubs	5%	8%	0%	1%	16%	6.0%
Litter	54%	35%	24%	16%	5%	26.8%
Rock	0%	0%	0%	0%	0%	0.0%
Bare Ground	3%	13%	0%	4%	2%	4.4%
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A
Total	100%	100%	100%	100%	100%	

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent					0.0 m
Canopy (T1)					0.0 m
Sub-Canopy (T2)					0.0 m
Shrub					0.0 m

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

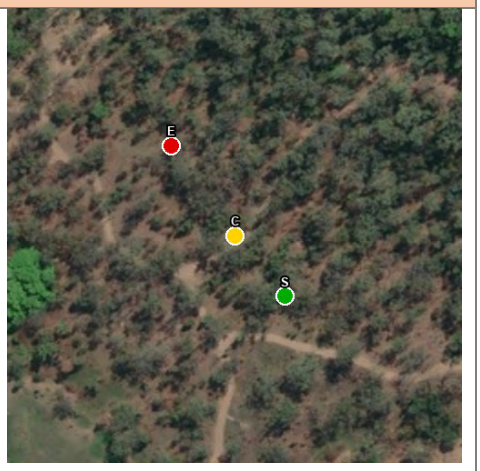
Site ID	S1 Audale
Plot Size	100 m x 50 m
Observers	subbie08, Subbie05, Darren_attexo, sophia.harris_attexo

PROPERTY

Lot Plan*	1RP21011
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Tarome, Scenic Rim Regional

Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	152.492240	-27.959909	
Center/50m	152.491942	-27.959592	
End/100m	152.491569	-27.959124	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 322.8°		

ECOSYSTEM

Site Description	N/A
Sub-Bioregion*, Bioregion*	Moreton Basin (12.2), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.8.17 - Mixed woodland with combinations of Eucalyptus crebra, E. melanophloia, E. tereticornis, Corymbia tessellaris, C intermedia woodland on Cainozoic igneous rocks
GTRE Condition	Remnant
Landform	HILLS - Slope or Hill Not Specified
Soil Colour, Texture	Dark, Clay Loam
Emergent height (E)	N/A
Canopy height (EDL)	28.2
Sub-canopy height (S)	10.2
Mistletoe Present	No
Barbed Wire Present	N/A

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	38 cm	N/A
Tree count	12.0	N/A
Trees/ha	24.0	N/A

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns "Large tree threshold _Eucalypt" and "Large tree threshold_ Non eucalypt"

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	0
Trees/ha	0

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)		0
Native Shrub spp. (50 x 10m area)	*Acacia maidenii* *Angophora leiocarpa* *Corymbia intermedia* *Eucalyptus crebra* *Eucalyptus melanophloia*	5
Native Grass spp. (50 x 10m area)	*Aristida gracilipes* *Cymbopogon refractus* *Eragrostis sororia* *Heteropogon contortus* *Imperata cylindrica* *Panicum decompositum* *Panicum effusum* *Themeda triandra*	8
Native Forb spp. (50 x 10m area)	*Centella asiatica* *Cheilanthes sieberi* *Chrysocephalum apiculatum* *Cyperus polystachyos* *Desmodium brachypodum* *Desmodium rhytidophyllum* *Dianella caerulea* *Eremophila debilis* *Eustrephus latifolius* *Fimbristylis dichotoma* *Glycine clandestina* *Glycine tabacina* *Lobelia purpurascens* *Lomandra filiformis* *Lomandra longifolia* *Lomandra multiflora* *Polymeria calycina* *Rostellularia adscendens* *Scleria levis* *Scleria mackaviensis* *Sida hackettiana* *Stephania japonica* *Vittadinia sulcata*	23
Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	N/A
Non-native plant cover (%)	4.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	21.0 m	**Total Length/ha**	210.0 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean
Native Perennial Grass Cover	35%	69%	65%	35%	25%	45.8%
Native Other Grass	0%	0%	0%	N/A	0%	0.0%
Native Forbs (non-grass)	1%	2%	2%	0%	0%	1.0%
Native Shrubs (<1m in height)	0%	0%	0%	0%	0%	0.0%
Non-Native Grass	0%	0%	0%	0%	0%	0.0%
Non-Native Forbs & Shrubs	0%	4%	3%	0%	5%	2.4%
Litter	64%	25%	30%	62%	70%	50.1%
Rock	0%	0%	0%	0%	0%	0.0%
Bare Ground	0%	0%	0%	4%	0%	0.8%
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A
Total	100%	100%	100%	100%	100%	

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent					0.0 m
Canopy (T1)	*Corymbia intermedia*	0.0	7.4	7.4	88.5 m
	Eucalyptus crebra	7.4	9.8	2.4	
	Eucalyptus crebra	9.8	23.7	13.9	
	Corymbia intermedia	28.1	34.3	6.2	
	Eucalyptus crebra	34.3	53.5	19.2	
	Corymbia intermedia	53.8	54.6	0.8	
	Corymbia intermedia	54.6	65.0	10.4	
	Eucalyptus tereticornis	62.7	67.3	4.6	
	Angophora leiocarpa	67.5	84.5	17.0	
	Eucalyptus crebra	84.5	91.1	6.6	
Sub-Canopy (T2)	*Corymbia tessellaris*	27.1	28.5	1.4	9.6 m
	Eucalyptus melanophloia	54.6	56.0	1.4	
	Eucalyptus crebra	62.2	63.7	1.5	
	Eucalyptus crebra	94.7	96.6	1.9	
	Corymbia tessellaris	96.6	100.0	3.4	
Shrub	*Corymbia tessellaris*	15.0	16.0	1.0	1.0 m

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

Site ID	S2 Audale
Plot Size	100 m x 50 m
Observers	subbie08, Subbie05, Darren_attexo, sophia.harris_attexo

PROPERTY

Lot Plan*	1RP21011
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Tarome, Scenic Rim Regional

Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	152.493610	-27.961222	
Center/50m	152.493848	-27.961619	
End/100m	152.494108	-27.962013	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 150.8°		

ECOSYSTEM

Site Description	N/A
Sub-Bioregion*, Bioregion*	Moreton Basin (12.2), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.8.17 - Mixed woodland with combinations of Eucalyptus crebra, E. melanophloia, E. tereticornis, Corymbia tessellaris, C intermedia woodland on Cainozoic igneous rocks
GTRE Condition	Remnant
Landform	HILLS - Slope or Hill Not Specified
Soil Colour, Texture	Dark, Clay Loam
Emergent height (E)	N/A
Canopy height (EDL)	30.2
Sub-canopy height (S)	13.3
Mistletoe Present	No
Barbed Wire Present	N/A

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	38 cm	N/A
Tree count	12.0	N/A
Trees/ha	24.0	N/A

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns "Large tree threshold _Eucalypt" and "Large tree threshold_ Non eucalypt"

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	0
Trees/ha	0

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)	*Acacia maidenii* *Allocasuarina torulosa* *Angophora leiocarpa* *Corymbia intermedia* *Corymbia tessellaris* *Eucalyptus crebra* *Eucalyptus tereticornis* *Exocarpos cupressiformis* *Lophostemon confertus*	9
Native Shrub spp. (50 x 10m area)	*Corymbia intermedia* *Corymbia tessellaris* *Eucalyptus crebra*	3
Native Grass spp. (50 x 10m area)	*Capillipedium spicigerum* *Cymbopogon refractus* *Imperata cylindrica* *Panicum decompositum* *Themeda triandra*	5
Native Forb spp. (50 x 10m area)	*Calotis cuneifolia* *Centella asiatica* *Cheilanthes sieberi* *Chrysocephalum apiculatum* *Cyanthillium cinereum* *Cyperus gracilis* *Cyperus polystachyos* *Desmodium gunnii* *Desmodium rhytidophyllum* *Dianella caerulea* *Dianella longifolia* *Dianella revoluta* *Eremophila debilis* *Euchiton sphaericus* *Fimbristylis dichotoma* *Glycine clandestina* *Glycine tabacina* *Lobelia purpurascens* *Lomandra confertifolia* *Lomandra filiformis* *Lomandra longifolia* *Lomandra multiflora* *Phyllanthus gunnii* *Phyllanthus virgatus* *Pterocaulon redolens* *Scleria mackaviensis* *Verbena gaudichaudii* *Xerochrysum bracteatum*	28
Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	100.0
Non-native plant cover (%)	3.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	29.4 m	**Total Length/ha**	294.0 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean
Native Perennial Grass Cover	35%	45%	42%	25%	30%	35.4%
Native Other Grass	0%	0%	0%	0%	0%	0.0%
Native Forbs (non-grass)	0%	0%	0%	3%	6%	1.9%

Native Shrubs (<1m in height)	0%	0%	0%	0%	0%	0.0%
Non-Native Grass	0%	0%	0%	0%	0%	0.0%
Non-Native Forbs & Shrubs	0%	1%	1%	0%	0%	0.5%
Litter	63%	49%	50%	68%	58%	57.4%
Rock	0%	0%	0%	0%	0%	0.0%
Bare Ground	2%	5%	7%	4%	6%	4.8%
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A
Total	100%	100%	100%	100%	100%	

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent					0.0 m
Canopy (T1)	*Corymbia tessellaris*	0.0	2.7	2.7	51.4 m
	Corymbia tessellaris	2.7	9.1	6.4	
	Corymbia tessellaris	14.3	19.8	5.5	
	Eucalyptus crebra	22.5	36.6	14.1	
	Eucalyptus crebra	54.5	58.8	4.3	
	Eucalyptus crebra	73.4	83.8	10.4	
	Eucalyptus crebra	84.8	89.4	4.6	
	Eucalyptus crebra	92.6	93.9	1.3	
	Corymbia tessellaris	97.9	100.0	2.1	
Sub-Canopy (T2)	*Corymbia tessellaris*	10.7	12.1	1.4	20.8 m
	Corymbia tessellaris	23.2	29.2	6.0	
	Corymbia intermedia	39.5	40.5	1.0	
	Eucalyptus crebra	43.9	48.1	4.2	
	Corymbia tessellaris	59.2	60.5	1.3	
	Corymbia tessellaris	61.8	65.0	3.2	
	Eucalyptus crebra	71.6	75.3	3.7	
Shrub					0.0 m

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

Site ID	S3 Audale
Plot Size	100 m x 50 m
Observers	subbie08, Subbie05, Darren_attexo, sophia.harris_attexo

PROPERTY

Lot Plan*	2RP21010
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Tarome, Scenic Rim Regional

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	152.472963	-27.957303	
Center/50m	152.473260	-27.957668	
End/100m	152.473530	-27.958020	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 144.9°		

ECOSYSTEM

Site Description	N/A
Sub-Bioregion*, Bioregion*	Moreton Basin (12.2), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.11.18 - Eucalyptus moluccana woodland on metamorphics +/- interbedded volcanics
GTRE Condition	Regrowth
Landform	HILLS - Slope or Hill Not Specified
Soil Colour, Texture	Dark, Clay Loam
Emergent height (E)	N/A
Canopy height (EDL)	22.8
Sub-canopy height (S)	14.6
Mistletoe Present	Yes
Barbed Wire Present	N/A

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	42 cm	N/A
Tree count	14.5	N/A
Trees/ha	29.0	N/A

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns "Large tree threshold _Eucalypt" and "Large tree threshold_ Non eucalypt"

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	0
Trees/ha	0

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)	*Corymbia citriodora* *Corymbia intermedia* *Corymbia tessellaris* *Eucalyptus crebra* *Eucalyptus moluccana* *Eucalyptus tereticornis*	6
Native Shrub spp. (50 x 10m area)	*Eucalyptus moluccana* *Grewia latifolia* *Notelaea microcarpa*	3
Native Grass spp. (50 x 10m area)	*Aristida gracilipes* *Cymbopogon refractus* *Dichanthium sericeum* *Entolasia stricta* *Eragrostis brownii* *Heteropogon contortus* *Imperata cylindrica* *Microlaena stipoides* *Panicum decompositum* *Setaria surgens* *Themeda triandra*	11
Native Forb spp. (50 x 10m area)	*Centella asiatica* *Cyanthillium cinereum* *Desmodium brachypodum* *Dianella brevipedunculata* *Glycine clandestina* *Glycine microphylla* *Lobelia purpurascens* *Polymeria calycina* *Sigesbeckia orientalis*	9
Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	100.0
Non-native plant cover (%)	2.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	14.3 m	**Total Length/ha**	143.0 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean
Native Perennial Grass Cover	0%	0%	0%	0%	0%	0.0%
Native Other Grass	35%	78%	79%	46%	35%	54.7%
Native Forbs (non-grass)	1%	0%	0%	2%	0%	0.8%
Native Shrubs (<1m in height)	0%	0%	0%	0%	0%	0.1%
Non-Native Grass	0%	1%	0%	0%	0%	0.2%
Non-Native Forbs & Shrubs	1%	0%	1%	2%	0%	0.9%
Litter	63%	20%	20%	50%	64%	43.3%
Rock	0%	0%	0%	0%	0%	0.0%
Bare Ground	0%	0%	0%	0%	0%	0.0%
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A
Total	100%	100%	100%	100%	100%	

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent					0.0 m
Canopy (T1)	*Corymbia citriodora*	0.0	8.6	8.6	76.0 m
	Corymbia citriodora	17.2	27.0	9.8	

	Eucalyptus moluccana	27.0	43.6	16.6	
	Corymbia citriodora	44.0	55.7	11.7	
	Corymbia citriodora	65.9	71.1	5.2	
	Eucalyptus moluccana	71.1	79.6	8.5	
	Eucalyptus moluccana	81.4	92.0	10.6	
	Corymbia citriodora	95.0	100.0	5.0	
Sub-Canopy (T2)	*Eucalyptus crebra*	53.0	56.6	3.6	15.5 m
	Eucalyptus melanoleuca	59.5	67.5	8.0	
	Eucalyptus moluccana	81.3	85.2	3.9	
Shrub	*Notelaea microcarpa*	66.4	67.0	0.6	0.6 m

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

Site ID	S4 Audale
Plot Size	100 m x 50 m
Observers	subbie08, Subbie05, Darren_attexo, sophia.harris_attexo

PROPERTY

Lot Plan*	2RP21011
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Tarome, Scenic Rim Regional

Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	152.486943	-27.959922	
Center/50m	152.486485	-27.960120	
End/100m	152.486037	-27.960362	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 241.3°		

ECOSYSTEM

Site Description	N/A
Sub-Bioregion*, Bioregion*	Moreton Basin (12.2), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.8.17 - Mixed woodland with combinations of Eucalyptus crebra, E. melanophloia, E. tereticornis, Corymbia tessellaris, C intermedia woodland on Cainozoic igneous rocks
GTRE Condition	Regrowth
Landform	PLAIN - Not Otherwise Specified, Flat Gentle Slopes, Undulating Terrain
Soil Colour, Texture	Brown, Clay Sandy Loam
Emergent height (E)	N/A
Canopy height (EDL)	29.4
Sub-canopy height (S)	4.7
Mistletoe Present	No
Barbed Wire Present	N/A

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	38 cm	N/A
Tree count	12.0	N/A
Trees/ha	24.0	N/A

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns "Large tree threshold _Eucalypt" and "Large tree threshold_ Non eucalypt"

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	0
Trees/ha	0

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)	*Corymbia intermedia* *Eucalyptus crebra* *Eucalyptus melanophloia* *Eucalyptus tereticornis*	4
Native Shrub spp. (50 x 10m area)	*Corymbia intermedia* *Eucalyptus crebra* *Grewia latifolia*	3
Native Grass spp. (50 x 10m area)	*Imperata cylindrica* *Themeda triandra*	2
Native Forb spp. (50 x 10m area)	*Centella asiatica* *Chrysocephalum apiculatum* *Cyanthillium cinereum* *Desmodium brachypodum* *Desmodium rhytidophyllum* *Glycine clandestina* *Glycine tabacina* *Lobelia purpurascens* *Lomandra multiflora* *Pterocaulon redolens* *Scleria mackaviensis* *Wahlenbergia ceracea*	12
Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	100.0
Non-native plant cover (%)	2.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	10.1 m	**Total Length/ha**	101.0 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean
Native Perennial Grass Cover	0%	0%	0%	0%	0%	0.0%
Native Other Grass	7%	7%	3%	10%	15%	8.4%
Native Forbs (non-grass)	2%	0%	1%	0%	0%	0.9%
Native Shrubs (<1m in height)	0%	0%	0%	0%	0%	0.0%
Non-Native Grass	0%	0%	5%	0%	0%	1.0%
Non-Native Forbs & Shrubs	2%	2%	10%	1%	5%	4.0%
Litter	44%	40%	40%	15%	20%	31.9%
Rock	0%	0%	0%	0%	0%	0.0%
Bare Ground	45%	50%	41%	74%	60%	53.8%
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A
Total	100%	100%	100%	100%	100%	

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent					0.0 m
Canopy (T1)	*Eucalyptus crebra*	0.0	13.7	13.7	42.0 m
	Eucalyptus tereticornis	35.7	51.0	15.3	
	Eucalyptus crebra	51.4	55.3	3.9	
	Eucalyptus melanophloia	55.3	64.4	9.1	
Sub-Canopy (T2)					0.0 m
Shrub					0.0 m

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

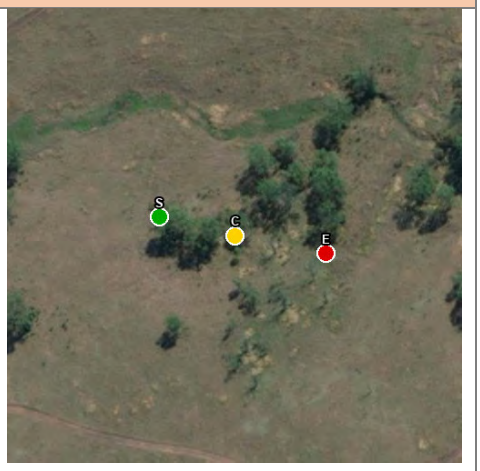
Site ID	S5 Audale
Plot Size	100 m x 50 m
Observers	subbie08, Subbie05, Darren_attexo, sophia.harris_attexo

PROPERTY

Lot Plan*	2RP21010
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Tarome, Scenic Rim Regional

Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	152.466553	-27.957007	
Center/50m	152.466997	-27.957103	
End/100m	152.467538	-27.957197	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 102.3°		

ECOSYSTEM

Site Description	Reg
Sub-Bioregion*, Bioregion*	Moreton Basin (12.2), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.8.17 - Mixed woodland with combinations of Eucalyptus crebra, E. melanophloia, E. tereticornis, Corymbia tessellaris, C intermedia woodland on Cainozoic igneous rocks
GTRE Condition	Regrowth
Landform	HILLS - Slope or Hill Not Specified
Soil Colour, Texture	Dark, Clay Loam
Emergent height (E)	N/A
Canopy height (EDL)	17.9
Sub-canopy height (S)	9.3
Mistletoe Present	No
Barbed Wire Present	N/A

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	38 cm	N/A
Tree count	12.0	N/A
Trees/ha	24.0	N/A

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns "Large tree threshold _Eucalypt" and "Large tree threshold_ Non eucalypt"

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	0
Trees/ha	0

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)	*Corymbia tessellaris* *Eucalyptus tereticornis* *Notelaea microcarpa*	3
Native Shrub spp. (50 x 10m area)	*Corymbia tessellaris*	1
Native Grass spp. (50 x 10m area)	*Heteropogon contortus* *Imperata cylindrica* *Panicum effusum* *Setaria surgens* *Themeda triandra*	5
Native Forb spp. (50 x 10m area)	*Centella asiatica* *Desmodium brachypodum* *Dianella revoluta* *Fimbristylis dichotoma* *Glycine clandestina* *Glycine microphylla* *Glycine tabacina* *Lobelia purpurascens* *Polymeria calycina*	9
Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	100.0
Non-native plant cover (%)	1.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	1.2 m	**Total Length/ha**	12.0 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean
Native Perennial Grass Cover	0%	0%	0%	0%	0%	0.0%
Native Other Grass	76%	79%	88%	90%	100%	86.5%
Native Forbs (non-grass)	0%	0%	1%	0%	0%	0.3%
Native Shrubs (<1m in height)	0%	0%	0%	0%	0%	0.0%
Non-Native Grass	0%	0%	0%	0%	0%	0.0%
Non-Native Forbs & Shrubs	0%	1%	1%	0%	0%	0.5%
Litter	20%	20%	10%	10%	0%	12.0%
Rock	0%	0%	0%	0%	0%	0.0%
Bare Ground	3%	0%	0%	0%	0%	0.6%
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A
Total	100%	100%	100%	100%	100%	

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent					0.0 m
Canopy (T1)	*Corymbia tessellaris*	5.3	43.7	38.4	38.4 m
Sub-Canopy (T2)	*Corymbia tessellaris*	1.3	2.4	1.1	8.9 m
	Corymbia tessellaris	2.9	5.9	3.0	
	Corymbia tessellaris	8.6	10.5	1.9	
	Corymbia tessellaris	75.7	77.4	1.7	
	Corymbia tessellaris	86.8	88.0	1.2	
Shrub					0.0 m

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

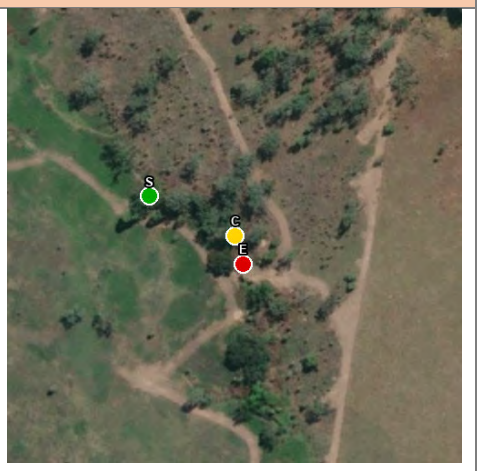
Site ID	S8 Audale
Plot Size	100 m x 50 m
Observers	subbie08, Subbie05, Darren_attexo, sophia.harris_attexo

PROPERTY

Lot Plan*	1RP21011
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Tarome, Scenic Rim Regional

Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	152.493408	-27.963073	
Center/50m	152.493912	-27.963278	
End/100m	152.493962	-27.963427	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 125.7°		

ECOSYSTEM

Site Description	Short S75m with a bend and two straight sectioms
Sub-Bioregion*, Bioregion*	Moreton Basin (12.2), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.3.7 - Eucalyptus tereticornis, Casuarina cunninghamiana subsp. cunninghamiana +/- Melaleuca spp. fringing woodland
GTRE Condition	Regrowth
Landform	STREAMS - Bed of Channel - Distributaries of Inland Streams, Beds and Intermittently Flooded
Soil Colour, Texture	Dark, Clay Sandy Loam
Emergent height (E)	26.0
Canopy height (EDL)	20.2
Sub-canopy height (S)	N/A
Mistletoe Present	No
Barbed Wire Present	N/A

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	51 cm	36 cm
Tree count	10.0	20.0
Trees/ha	20.0	40.0

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns "Large tree threshold _Eucalypt" and "Large tree threshold_ Non eucalypt"

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	0
Trees/ha	0

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)	*Acacia leiocalyx* *Acacia maidenii* *Casuarina cunninghamiana* *Corymbia citriodora* *Corymbia tessellaris* *Eucalyptus crebra*	6
Native Shrub spp. (50 x 10m area)	*Acacia maidenii* *Alyxia ruscifolia* *Maclura cochinchinensis* *Melaleuca viminalis* *Pittosporum spinescens*	5
Native Grass spp. (50 x 10m area)	*Imperata cylindrica* *Oplismenus aemulus* *Ottochloa gracillima*	3
Native Forb spp. (50 x 10m area)	*Commelina diffusa* *Cyperus gracilis* *Desmodium brachypodum* *Desmodium gunnii* *Dianella caerulea* *Eustrephus latifolius* *Lomandra longifolia* *Scleria mackaviensis*	8
Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	40.0
Non-native plant cover (%)	10.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	12.0 m	**Total Length/ha**	120.0 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean
Native Perennial Grass Cover	0%	0%	0%	0%	0%	0.0%
Native Other Grass	0%	0%	0%	0%	1%	0.3%
Native Forbs (non-grass)	0%	5%	8%	0%	1%	2.9%
Native Shrubs (<1m in height)	0%	8%	0%	0%	0%	1.6%
Non-Native Grass	0%	0%	0%	0%	5%	1.0%
Non-Native Forbs & Shrubs	0%	1%	15%	1%	5%	4.4%
Litter	97%	40%	72%	96%	88%	78.5%
Rock	0%	15%	2%	0%	0%	3.4%
Bare Ground	1%	16%	3%	3%	0%	4.7%
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A
Total	100%	100%	100%	100%	100%	

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent	*Eucalyptus crebra*	39.2	47.0	7.8	7.8 m
Canopy (T1)	*Casuarina cunninghamiana*	0.0	9.5	9.5	44.2 m
	Melaleuca viminalis	8.5	19.0	10.5	
	Corymbia tessellaris	24.0	26.5	2.5	
	Casuarina cunninghamiana	32.0	40.3	8.3	
	Casuarina cunninghamiana	59.1	72.5	13.4	
Sub-Canopy (T2)	*Melaleuca viminalis*	29.0	33.9	4.9	11.0 m
	Maclura cochinchinensis	50.2	54.9	4.7	

	Melaleuca viminalis	60.0	61.4	1.4	
Shrub	*Melaleuca viminalis*	24.9	25.2	0.3	5.5 m
	Melaleuca viminalis	26.6	27.6	1.0	
	Acacia maidenii	27.6	28.2	0.6	
	Maclura cochinchinensis	41.4	45.0	3.6	

Bio-Condition Site Summary

Data source	KAR_Biocondition_20260922_MODIFIED.xlsx
Date Generated	2026-09-23
Date Reviewed	/ /
Reviewer	

SITE

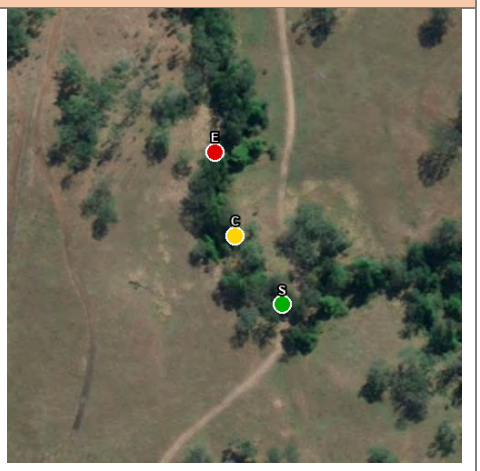
Site ID	S9 Audale
Plot Size	100 m x 50 m
Observers	subbie08, Subbie05, Darren_attexo, sophia.harris_attexo

PROPERTY

Lot Plan*	2RP21010
Easement*	None
Tenure*	Freehold
Locality*, LGA*	Tarome, Scenic Rim Regional

Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/PlanningCadastre/QSCF_LandParcelPropertyFramework/FeatureServer | Layers: Lot parcels (120), Easement parcels (130), Tenure (200), Locality Boundaries (410), Local Government Areas (420)

TRANSECT

Mark positions	Longitude	Latitude	Map
Start/0m	152.471758	-27.960853	
Center/50m	152.471477	-27.960493	
End/100m	152.471362	-27.960058	
Datum	GDA2020 (7844)		
Bearing (start to end)	Start-End: 336.1°		

ECOSYSTEM

Site Description	At 47
Sub-Bioregion*, Bioregion*	Moreton Basin (12.2), Southeast Queensland (SEQ)
Ground-truthed Regional Ecosystem (GTRE)	12.3.7 - Eucalyptus tereticornis, Casuarina cunninghamiana subsp. cunninghamiana +/- Melaleuca spp. fringing woodland
GTRE Condition	Remnant
Landform	STREAMS - Bed of Channel - Distributaries of Inland Streams, Beds and Intermittently Flooded
Soil Colour, Texture	Dark, Clay Loam
Emergent height (E)	N/A
Canopy height (EDL)	29.7
Sub-canopy height (S)	9.5
Mistletoe Present	No
Barbed Wire Present	N/A

*Source: https://spatial-gis.information.qld.gov.au/arcgis/rest/services/Boundaries/AdminBoundariesFramework/MapServer | Layers: Biogeographic region (2) and Biogeographic subregion (3)

LARGE TREES (Bio-Condition Benchmark)

	Eucalypt	Non-eucalypt
DBH benchmark*	51 cm	36 cm
Tree count	10.0	20.0
Trees/ha	20.0	40.0

*Source: https://www.qld.gov.au/__data/assets/excel_doc/0023/170285/bioconditon-benchmark-database-table.xlsx | Columns "Large tree threshold _Eucalypt" and "Large tree threshold_ Non eucalypt"

LARGE TREES (>=30cm DBH)

	Eucalypt
Tree count	0
Trees/ha	0

SPECIES RICHNESS

Ecosystem Layer	Species Present	Total # of Species
Native Tree spp. (100 x 50m area)	*Acacia maidenii* *Angophora subvelutina* *Casuarina cunninghamiana* *Corymbia tessellaris* *Eucalyptus melanophloia* *Eucalyptus tereticornis* *Mallotus philippensis* *Melaleuca viminalis* *Melia azedarach* *Notelaea longifolia* *Trema tomentosa var. tomentosa*	11
Native Shrub spp. (50 x 10m area)	*Acacia maidenii* *Angophora subvelutina* *Corymbia tessellaris* *Maclura cochinchinensis* *Mallotus philippensis* *Melaleuca viminalis* *Melia azedarach*	7
Native Grass spp. (50 x 10m area)	*Aristida gracilipes* *Bothriochloa bladhii* *Dichanthium sericeum* *Heteropogon contortus* *Imperata cylindrica* *Microlaena stipoides* *Oplismenus aemulus* *Oplismenus mollis* *Ottochloa gracillima* *Panicum effusum* *Paspalidium distans*	11
Native Forb spp. (50 x 10m area)	*Calochlaena dubia* *Centella asiatica* *Eustrephus latifolius* *Glycine microphylla* *Glycine tabacina* *Juncus acutus* *Lobelia purpurascens* *Lomandra confertifolia* *Lomandra longifolia* *Notelaea longifolia* *Pandorea pandorana* *Scleria mackaviensis* *Smilax australis* *Stephania japonica*	14
Non-native spp. (50 x 10m area)		0

Dominant canopy (EDL) species with evidence of recruitment (%)	28.6
Non-native plant cover (%)	12.0

COARSE WOODY DEBRIS (diameter >10cm and length >50cm within a 50x20m plot)

Total Length	36.6 m	**Total Length/ha**	366.0 m/ha

GROUND COVER (five 1x1m plots)

Ground Cover	1	2	3	4	5	Mean
Native Perennial Grass Cover	0%	0%	0%	0%	0%	0.0%
Native Other Grass	49%	40%	0%	0%	0%	17.9%
Native Forbs (non-grass)	0%	5%	1%	1%	0%	1.5%
Native Shrubs (<1m in height)	0%	0%	0%	0%	0%	0.0%
Non-Native Grass	0%	0%	0%	0%	0%	0.0%

Non-Native Forbs & Shrubs	1%	1%	5%	2%	70%	15.7%
Litter	50%	44%	53%	91%	30%	53.7%
Rock	0%	0%	10%	1%	0%	2.2%
Bare Ground	0%	10%	30%	2%	0%	8.5%
Cryptogams (lichens, mosses)	N/A	N/A	N/A	N/A	N/A	N/A
Total	100%	100%	100%	100%	100%	

CANOPY COVER (100m transect)

Strata	Species	Start (m)	End (m)	Distance (m)	Total Distance
Emergent					0.0 m
Canopy (T1)	*Eucalyptus tereticornis*	0.0	5.2	5.2	62.5 m
	Eucalyptus tereticornis	8.0	22.8	14.8	
	Angophora subvelutina	35.8	39.5	3.7	
	Eucalyptus tardecidens	54.2	67.0	12.8	
	Other - Capture in 'Species Notes'	76.7	87.0	10.3	
	Casuarina cunninghamiana	83.8	92.0	8.2	
	Casuarina cunninghamiana	92.5	100.0	7.5	
Sub-Canopy (T2)	*Melia azedarach*	14.5	23.7	9.2	19.5 m
	Casuarina cunninghamiana	62.4	72.7	10.3	
Shrub	*Notelaea longifolia*	5.1	7.0	1.9	1.9 m

APPENDIX D. WHQS

Offset - Koala (*Phascolarctos cinereus*)

	Offset 1																									
Assessment Unit - Regional Ecosystem	AU 1 - RE 12.11.24												AU 2 - 12.11.24													
Site Reference	Benchmark	Site 7			Site 8			Site 9			Average	Maximum	Benchmark	Site 2			Site 3			Site 4			Site 6			Average	Maximum
Site Condition	**12.11.24**	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score	Score	Score	**12.11.24**	Raw Data	% Benchmar	Score	Raw Data	% Benchmar	Score	Raw Data	% Benchmar	Score	Raw Data	% Benchmar	Score	Score	Score
Large trees (euc plus non-euc)	33	10	30	5	4	12	5	6	18	5	5.00	15	33	78.05	237	15	30	91	10	30	91	10	45.64	138	15	12.5	15
Tree canopy height (average of emergent, canopy, sub-canopy)	NA	NA	NA	3	NA	NA	3	NA	NA	3	3.00	5	NA	NA	NA	5	NA	NA	5	NA	NA	5	NA	NA	5	5	5
Recruitment of woody perennial species in EDL	100	29	29	3	50	50	3	10	10	0	2.00	5	100	50	50	3	0	0	0	60	60	3	0	0	0	1.5	5
Tree canopy cover (average of emergent, canopy, sub-canopy)	NA	NA	NA	3.5	NA	NA	2	NA	NA	1	2.17	5	NA	NA	NA	3.5	NA	NA	5	NA	NA	3.5	NA	NA	3.5	3.875	5
Shrub canopy cover	7	0	0	0	13.8	197	5	1.5	21	3	2.67	5	7	0	0	0	0.7	10	3	13	186	5	10.3	147	5	3.25	5
Coarse woody debris	546	20	4	0	30	5	0	37	7	0	0.00	5	546	908.5	166	5	315	58	5	630	115	5	712	130	5	5	5
Native plant species richness - trees	10	10	100	5	12	120	5	14	140	5	5.00	5	10	15	150	5	10	100	5	8	80	2.5	13	130	5	4.375	5
Native plant species richness - shrubs	8	6	75	2.5	6	75	2.5	2	25	2.5	2.50	5	8	2	25	2.5	6	75	2.5	8	100	5	13	163	5	3.75	5
Native plant species richness - grasses	9	7	78	2.5	2	22	0	8	89	2.5	1.67	5	9	11	122	5	7	78	2.5	6	67	2.5	6	67	2.5	3.125	5
Native plant species richness - forbes	17	12	71	2.5	9	53	2.5	9	53	2.5	2.50	5	17	12	71	2.5	15	88	2.5	21	124	5	20	118	5	3.75	5
Non-native plant cover	0	12		5	8		5	7		5	5.00	10	0	3		10	2		10	2		10	15		5	8.75	10
Native grass cover	39	0	0	0	0.02	0	0	0.66	2	0	0.00	5	39	40.32	103	5	46.2	118	5	0.46	1	0	24.1	62	3	3.25	5
Organic litter	45	0	0	0	54.5	121	5	49.38	110	5	3.33	5	45	43.06	96	5	46.38	103	5	81.64	181	5	74.56	166	5	5	5
Quality and availability of food and foraging habitat	10			5			5			5	5.00	10	10			5			5			5			5	5	10
Quality and availability of shelter habitat	10			1			1			1	1.00	10	10			10			10			10			10	10	10
MAX Site Condition Score												*100*															*100*
Score for sampling site				38.0			44.0			40.5						81.5			75.5			76.5			79.0		
Score for assessment unit											*40.8*															*78.1*	
Score for the site																											
(converted to) **Site Condition Score - out of 3**											**1.23**															**2.34**	
Site Context																											
Size of patch	**10**			10			10			10	10.00	10	**10**			10			10			10			10	10	10
Connectedness	**5**			5			5			5	5.00	5	**5**			5			5			5			5	5	5
Context	**5**			4			4			4	4.00	5	**5**			4			4			4			4	4	5
Ecological Corridors	**6**			6			6			6	6.00	6	**6**			6			6			6			6	6	6
Role of site location to species overall population in the state	**5**			5			5			5	5.00	5	**5**			5			5			5			5	5	5
Threats to the species	**15**			7			7			7	7.00	15	**15**			7			7			7			7	7	15
Species mobility capacity	**10**			5			5			5	5.00	10	**10**			10			10			10			10	10	10
MAX Site Context Score												*56*															*56*
Score for sampling site				42.0			42.0			42.0						47.0			47.0			47.0			47.0		
Score for assessment unit											*42.0*															*47.0*	
Score for the site																											
(converted to) **Site Context Score - out of 3**											**2.25**															**2.52**	

Species Stocking Rate (SSR)	Scoring Table - AU1						Score assigned
Presence detected on or adjacent to site (neighbouring property with connecting habitat)	Score	0	5		10		10
		No	Yes -		Yes - on-		
Species usage of the site (habitat type & evidenced usage)	Score	0	5	10	15		15
		Not habitat	Dispersal	Foraging	Breeding		
Approximate density (per ha)	Score	0	10	20	30		20
		0%					
Role/importance of species population on site*	Score	0	5	10		15	0
		0	5 - 15	20 - 35		40 - 45	
	Total SRR score -						45
	(converted to)						2.57

	Scoring Table						Score assigned
	Score	0	5		10		10
		No	Yes -		Yes - on-site		
	Score	0	5	10	15		15
		Not habitat	Dispersal	Foraging	Breeding		
	Score	0	10	20	30		20
		0%					
	Score	0	5	10		15	0
		0	5 - 15	20 - 35		40 - 45	
	Total SRR score						45
	(converted to)						2.57

***SSR Supplementary Table**	Scoring table			Score assigned
*Key source population for breeding	Score	0	10	
		No	Yes/ Possibly	
*Key source population for dispersal	Score	0	5	
		No	Yes/ Possibly	
*Necessary for maintaining genetic diversity	Score	0	15	
		No	Yes/ Possibly	
*Near the limit of the species range	Score	0	15	
		No	Yes	
	Total for SSR Supplementary Table			

	Scoring table			Score assigned
	Score	0	10	
		No	Yes/ Possibly	
	Score	0	5	
		No	Yes/ Possibly	
	Score	0	15	
		No	Yes/ Possibly	
	Score	0	15	
		No	Yes	
	Total for SSR Supplementary Table			

				48.81				45.64			166			
	Offset 1			Offset 2					Offset 3				Average / Final
Final habitat quality score (weighted)	**AU1**	**AU2**	**AU3**	**AU1**	**AU2**	**AU3**	**AU4**	**AU5**	**AU1**	**AU2**	**AU3**		
Site Condition score (out of 3)	1.23	2.34	2.39	0.14	0.21	2.00	2.13	2.50	2.62	1.71	1.97		
Site Context Score (out of 3)	2.25	2.52	2.25	1.82	1.82	2.20	2.04	2.20	2.73	1.98	2.09		
Species Stocking Rate Score (out of 4)	2.57	2.57	2.57	1.14	1.14	2.00	2.00	2.00	1.14	2.00	2.00		
Habitat Quality score - out of 10	**6.05**	**7.43**	**7.21**	**3.10**	**3.17**	**6.19**	**6.17**	**6.70**	**6.49**	**5.69**	**6.06**		5.84
Offset Site Average			6.90					5.07				6.08	
Assessment Unit Area	28.27	16.26	4.28	13.31	7.76	4.23	11.04	9.3	14.2	152.5	2.2		
Total Offset Area (ha) for MNES	48.81	48.81	48.81	45.64	45.64	45.64	45.64	45.64	166	166	166		
Size weighting	0.58	0.33	0.09	0.29	0.17	0.09	0.24	0.20	0.09	0.92	0.01		
AU Weighted Habitat Quality	**3.50**	**2.48**	**0.63**	**0.90**	**0.54**	**0.57**	**1.49**	**1.36**	**0.56**	**5.23**	**0.08**		
Site Weighted Habitat Quality			6.61					4.87				5.86	

Offset - Koala (*Phascolarctos cinereus*)

Assessment Unit - Regional Ecosystem	AU 3 - 12.3.11									AU1 - 12.11.24									AU 2 - 12.3.11								
Site Reference	Benchmark	Site 1			Site 5			Average Score	Maximum Score	Benchmark	Site 8			Site 14			Average Score	Maximum Score	Benchmark	Site 13			Site 12			Average Score	Maximum Score
Site Condition	**12.3.11**	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score			**12.11.24**	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score			**12.3.11**	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score		
Large trees (euc plus non-euc)	58	30	52	10	97.33	168	15	12.5	15	33	0	0	0	0	0	0	0	15	30	0	0	0	0	0	0	0	15
Tree canopy height (average of emergent, canopy, sub-canopy)	NA	NA	NA	5	NA	NA	3.5	4.25	5	NA	NA	NA	0	NA	NA	0	0	5	NA	NA	NA	0	NA	NA	0	0	5
Recruitment of woody perennial species in EDL	100	64	64	3	25	25	3	3	5	100	0	0	0	0	0	0	0	5	100	0	0	0	0	0	0	0	5
Tree canopy cover (average of emergent, canopy, sub-canopy)	NA	NA	NA	5	NA	NA	5	5	5	NA	NA	NA	0	NA	NA	0	0	5	NA	NA	NA	0	NA	NA	0	0	5
Shrub canopy cover	13	8	62	5	11.9	92	5	5	5	7	0	0	0	0	0	0	0	5	20	0	0	0	0	0	0	0	5
Coarse woody debris	555	269.5	49	3	174	31	3	3	5	546	0	0	0	0	0	0	0	5	555	0	0	0	0	0	0	0	5
Native plant species richness - trees	7	33	471	5	21	300	5	5	5	10	0	0	0	0	0	0	0	5	7	0	0	0	0	0	0	0	5
Native plant species richness - shrubs	7	14	200	5	13	186	5	5	5	8	0	0	0	0	0	0	0	5	7	0	0	0	0	0	0	0	5
Native plant species richness - grasses	12	1	8	0	3	25	2.5	1.25	5	9	2	22	0	1	11	0	0	5	12	0	0	0	1	8	0	0	5
Native plant species richness - forbes	25	25	100	5	25	100	5	5	5	17	1	6	0	2	12	0	0	5	25	1	4	0	0	0	0	0	5
Non-native plant cover	0	20		5	20		5	5	10	0	99		0	85		0	0	10	0	95		0	95		0	0	10
Native grass cover	44	10.1	23	1	0.32	1	0	0.5	5	39	0.15	0	0	0.4	1	0	0	5	44	0	0	0	0	0	0	0	5
Organic litter	37	66.08	179	5	71.32	193	5	5	5	45	0.44	1	0	26.76	59	5	2.5	5	37	42.28	114	5	67.58	183	5	5	5
Quality and availability of food and foraging habitat	10			10			10	10	10	10			1			1	1	10	10			1			1	1	10
Quality and availability of shelter habitat	10			10			10	10	10	10			1			1	1	10	10			1			1	1	10
MAX Site Condition Score									*100*									*100*									*100*
Score for sampling site				77.0			82.0						2.0			7.0						7.0			7.0		
Score for assessment unit								*79.5*									*4.5*									*7.0*	
Score for the site																											
(converted to) **Site Condition Score - out of 3**								**2.39**									**0.14**									**0.21**	
Site Context																											
Size of patch	**10**			10			10	10	10	**10**			10			10	10	10	**10**			10			10	10	10
Connectedness	**5**			5			5	5	5	**5**			5			5	5	5	**5**			5			5	5	5
Context	**5**			4			4	4	5	**5**			4			4	4	5	**5**			4			4	4	5
Ecological Corridors	**6**			6			6	6	6	**6**			6			6	6	6	**6**			6			6	6	6
Role of site location to species overall population in the state	**5**			5			5	5	5	**5**			1			1	1	5	**5**			1			1	1	5
Threats to the species	**15**			7			7	7	15	**15**			1			1	1	15	**15**			1			1	1	15
Species mobility capacity	**10**			5			5	5	10	**10**			7			7	7	10	**10**			7			7	7	10
MAX Site Context Score									*56*									*56*									*56*
Score for sampling site				42.0			42.0						34.0			34.0						34.0			34.0		
Score for assessment unit								*42.0*									*34.0*									*34.0*	
Score for the site																											
(converted to) **Site Context Score - out of 3**								**2.25**									**1.82**									**1.82**	

Species Stocking Rate (SSR)	Scoring Table						Score assigned
Presence detected on or adjacent to site (neighbouring property with connecting habitat)	Score	0	5		10		10
		No	Yes -		Yes - on-		
Species usage of the site (habitat type & evidenced usage)	Score	0	5	10	15		15
		Not habitat	Dispersal	Foraging	Breeding		
Approximate density (per ha)	Score	0	10	20	30		20
		0%					
Role/importance of species population on site*	Score	0	5	10		15	0
		0	5 - 15	20 - 35		40 - 45	
	Total SRR score -						45
	(converted to)						2.57

Scoring Table						Score assigned
Score	0	5		10		5
	No	Yes -		Yes - on-		
Score	0	5	10	15		5
	Not habitat	Dispersal	Foraging	Breeding		
Score	0	10	20	30		10
	0%					
Score	0	5	10		15	0
	0	5 - 15	20 - 35		40 - 45	
Total SRR score -						20
(converted to)						1.14

Scoring Table						Score assigned
Score	0	5		10		5
	No	Yes -		Yes - on-		
Score	0	5	10	15		5
	Not habitat	Dispersal	Foraging	Breeding		
Score	0	10	20	30		10
	0%					
Score	0	5	10		15	0
	0	5 - 15	20 - 35		40 - 45	
Total SRR score -						20
(converted to)						1.14

***SSR Supplementary Table**	Scoring table			Score assigned
*Key source population for breeding	Score	0	10	
		No	Yes/ Possibly	
*Key source population for dispersal	Score	0	5	
		No	Yes/ Possibly	
*Necessary for maintaining genetic diversity	Score	0	15	
		No	Yes/ Possibly	
*Near the limit of the species range	Score	0	15	
		No	Yes	
	Total for SSR Supplementary Table			

Scoring table			Score assigned
Score	0	10	
	No	Yes/ Possibly	
Score	0	5	
	No	Yes/ Possibly	
Score	0	15	
	No	Yes/ Possibly	
Score	0	15	
	No	Yes	
Total for SSR Supplementary Table			

Scoring table			Score assigned
Score	0	10	
	No	Yes/ Possibly	
Score	0	5	
	No	Yes/ Possibly	
Score	0	15	
	No	Yes/ Possibly	
Score	0	15	
	No	Yes	
Total for SSR Supplementary Table			

Final habitat quality score (weighted)
Site Condition score (out of 3)
Site Context Score (out of 3)
Species Stocking Rate Score (out of 4)
Habitat Quality score - out of 10

Offset Site Average
Assessment Unit Area
Total Offset Area (ha) for MNES
Size weighting
AU Weighted Habitat Quality
Site Weighted Habitat Quality

Offset - Koala (*Phascolarctos cinereus*)

	Offset 2																										
Assessment Unit - Regional Ecosystem	AU 3 - 12.11.24									AU 4 - 12.3.11										AU 5- 12.11.27								
Site Reference	Benchmark	Site 1			Site 2			Average Score	Maximum Score	Benchmark	Site 5			Site 6			Average Score	Maximum Score		Benchmark	Site 3			Site 4			Site 7		
Site Condition	**12.11.24**	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score			**12.3.11**	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score				**12.11.27**	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score
Large trees (euc plus non-euc)	33	24	73	10	34	103	15	12.5	15	30	52	173	15	64	213	15	15	15		27	22	81	10	44	163	15	40	148	15
Tree canopy height (average of emergent, canopy, sub-canopy)	NA	NA	NA	5	NA	NA	5	5	5	NA	NA	NA	5	NA	NA	5	5	5		NA	NA	NA	5	NA	NA	5	NA	NA	5
Recruitment of woody perennial species in EDL	100	71	71	3	80	80	5	4	5	100	50	50	3	57	57	3	3	5		100	100	100	5	75	75	5	100	100	5
Tree canopy cover (average of emergent, canopy, sub-canopy)	NA	NA	NA	3.5	NA	NA	5	4.25	5	NA	NA	NA	5	NA	NA	5	5	5		NA	NA	NA	4	NA	NA	4	NA	NA	4
Shrub canopy cover	7	0	0	0	0	0	0	0	5	20	8.3	42	3	30.2	151	5	4	5		13	0	0	0	2.9	22	3	0	0	0
Coarse woody debris	546	136	25	3	297	54	5	4	5	555	411	74	5	294	53	5	5	5		639	374.5	59	5	598	94	5	369.5	58	5
Native plant species richness - trees	10	12	120	5	13	130	5	5	5	7	15	214	5	17	243	5	5	5		8	11	138	5	17	213	5	12	150	5
Native plant species richness - shrubs	8	5	63	2.5	2	25	2.5	2.5	5	7	2	29	2.5	3	43	2.5	2.5	5		7	5	71	2.5	7	100	5	6	86	2.5
Native plant species richness - grasses	9	3	33	2.5	1	11	0	1.25	5	12	1	8	0	2	17	0	0	5		7	5	71	2.5	6	86	2.5	6	86	2.5
Native plant species richness - forbes	17	8	47	2.5	15	88	2.5	2.5	5	25	8	32	2.5	15	60	2.5	2.5	5		14	16	114	5	15	107	5	10	71	2.5
Non-native plant cover	0	80		0	15		5	2.5	10	0	60		0	32		3	1.5	10		0	15		5	3		10	3		10
Native grass cover	39	25.2	65	3	27.5	71	3	3	5	44	26.8	61	3	0.9	2	0	1.5	5		26	11	42	1	17.4	67	3	18.9	73	3
Organic litter	45	46.98	104	5	61.06	136	5	5	5	37	47.4	128	5	81.9	221	3	4	5		51	63.74	125	5	52.58	103	5	24.2	47	3
Quality and availability of food and foraging habitat	10			10			10	10	10	10			7			7	7	10		10			10			10			10
Quality and availability of shelter habitat	10			5			5	5	10	10			10			10	10	10		10			10			10			10
MAX Site Condition Score									*100*									*100*											
Score for sampling site				60.0			73.0						71.0			71.0							75.0			92.5			82.5
Score for assessment unit								*66.5*									*71.0*												
Score for the site																													
(converted to) **Site Condition Score - out of 3**								**2.00**									**2.13**												
Site Context																													
Size of patch	**10**			10			10	10	10	**10**			10			10	10	10		**10**			10			10			10
Connectedness	**5**			5			5	5	5	**5**			5			5	5	5		**5**			5			5			5
Context	**5**			4			4	4	5	**5**			4			4	4	5		**5**			4			4			4
Ecological Corridors	**6**			6			6	6	6	**6**			6			6	6	6		**6**			6			6			6
Role of site location to species overall population in the state	**5**			5			5	5	5	**5**			5			5	5	5		**5**			5			5			5
Threats to the species	**15**			1			1	1	15	**15**			1			1	1	15		**15**			1			1			1
Species mobility capacity	**10**			10			10	10	10	**10**			7			7	7	10		**10**			10			10			10
MAX Site Context Score									*56*									*56*											
Score for sampling site				41.0			41.0						38.0			38.0							41.0			41.0			41.0
Score for assessment unit								*41.0*									*38.0*												
Score for the site																													
(converted to) **Site Context Score - out of 3**								**2.20**									**2.04**												

Species Stocking Rate (SSR)	Scoring Table						Score assigned
Presence detected on or adjacent to site (neighbouring property with connecting habitat)	Score	0	5		10		10
		No	Yes -		Yes - on-		
Species usage of the site (habitat type & evidenced usage)	Score	0	5	10	15		15
		Not habitat	Dispersal	Foraging	Breeding		
Approximate density (per ha)	Score	0	10	20	30		10
		0%					
Role/importance of species population on site*	Score	0	5	10		15	
		0	5 - 15	20 - 35		40 - 45	
	Total SRR score -						35
	(converted to)						2.00

Scoring Table						Score assigned
Score	0	5		10		10
	No	Yes -		Yes - on-		
Score	0	5	10	15		15
	Not habitat	Dispersal	Foraging	Breeding		
Score	0	10	20	30		10
	0%					
Score	0	5	10		15	
	0	5 - 15	20 - 35		40 - 45	
Total SRR score -						35
(converted to)						2.00

Scoring Table						Score assigned
Score	0	5		10		10
	No	Yes -		Yes - on-		
Score	0	5	10	15		15
	Not habitat	Dispersal	Foraging	Breeding		
Score	0	10	20	30		10
	0%					
Score	0	5	10		15	0
	0	5 - 15	20 - 35		40 - 45	
Total SRR score -						35
(converted to)						2.00

***SSR Supplementary Table**	Scoring table			Score assigned
*Key source population for breeding	Score	0	10	
		No	Yes/ Possibly	
*Key source population for dispersal	Score	0	5	
		No	Yes/ Possibly	
*Necessary for maintaining genetic diversity	Score	0	15	
		No	Yes/ Possibly	
*Near the limit of the species range	Score	0	15	
		No	Yes	
	Total for SSR Supplementary Table			

Scoring table			Score assigned
Score	0	10	
	No	Yes/ Possibly	
Score	0	5	
	No	Yes/ Possibly	
Score	0	15	
	No	Yes/ Possibly	
Score	0	15	
	No	Yes	
Total for SSR Supplementary Table			

Scoring table			Score assigned
Score	0	10	
	No	Yes/ Possibly	
Score	0	5	
	No	Yes/ Possibly	
Score	0	15	
	No	Yes/ Possibly	
Score	0	15	
	No	Yes	
Total for SSR Supplementary Table			

Final habitat quality score (weighted)
Site Condition score (out of 3)
Site Context Score (out of 3)
Species Stocking Rate Score (out of 4)
Habitat Quality score - out of 10
Offset Site Average
Assessment Unit Area
Total Offset Area (ha) for MNES
Size weighting
AU Weighted Habitat Quality
Site Weighted Habitat Quality

Offset - Koala (*Phascolarctos cinereus*)

			Offset 3																					
Assessment Unit - Regional Ecosystem			AU 1 - 12.8.17									AU2 - 12.8.17												
Site Reference	Average Score	Maximum Score	Benchmark	Site 1			Site 2			Average Score	Maximum Score	Benchmark	Site 3			Site 4			Site 5			Site 6			Average Score	Maximum Score
Site Condition			12.8.17	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score			12.8.17	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score		
Large trees (euc plus non-euc)	13.33	15	24	48	200	15	26	108	15	15	15	24	52	217	15	14	58	10	14	58	10	4	17	5	10.00	15
Tree canopy height (average of emergent, canopy, sub-canopy)	5.00	5	NA	NA	NA	5	NA	NA	5	5	5	NA	NA	NA	1.5	NA	NA	5	NA	NA	5	NA	NA	5	4.13	5
Recruitment of woody perennial species in EDL	5.00	5	100	0	0	0	100	100	5	2.5	5	100	100	100	5	100	100	5	100	100	5	100	100	5	5.00	5
Tree canopy cover (average of emergent, canopy, sub-canopy)	4.00	5	NA	NA	NA	5	NA	NA	5	5	5	NA	NA	NA	5	NA	NA	4	NA	NA	4	NA	NA	4	4.25	5
Shrub canopy cover	1.00	5	5	1	20	3	0.7	14	3	3	5	5	1.7	34	3	0	0	0	0.1	2	0	0	0	0	0.75	5
Coarse woody debris	5.00	5	234	210	90	5	294	126	5	5	5	234	143	61	5	101	43	3	12	5	0	45	19	3	2.75	5
Native plant species richness - trees	5.00	5	7	0	0	0	9	129	5	2.5	5	7	6	86	2.5	4	57	2.5	3	43	2.5	3	43	2.5	2.50	5
Native plant species richness - shrubs	3.33	5	5	6	120	5	3	60	2.5	3.75	5	5	4	80	2.5	6	120	5	1	20	0	4	80	2.5	2.50	5
Native plant species richness - grasses	2.50	5	12	10	83	2.5	6	50	2.5	2.5	5	12	12	100	5	2	17	0	6	50	2.5	10	83	2.5	2.50	5
Native plant species richness - forbes	4.17	5	27	25	93	5	35	130	5	5	5	27	12	44	2.5	12	44	2.5	13	48	2.5	8	30	2.5	2.50	5
Non-native plant cover	8.33	10	0	4		10	3		10	10	10	0	2		10	2		10	1		10	1		10	10.00	10
Native grass cover	2.33	5	32	45.8	143	5	35.4	111	5	5	5	32	54.68	171	5	8.4	26	1	86.54	270	5	31.8	99	5	4.00	5
Organic litter	4.33	5	21	50.14	239	3	57.4	273	3	3	5	21	43.3	206	3	31.9	152	5	12	57	5	3	14	3	4.00	5
Quality and availability of food and foraging habitat	10.00	10	10			10			10	10	10	10			1			1			1			1	1.00	10
Quality and availability of shelter habitat	10.00	10	10			10			10	10	10	10			1			1			1			1	1.00	10
MAX Site Condition Score		*100*									*100*															*100*
Score for sampling site						83.5			91.0						67.0			55.0			53.5			52.0		
Score for assessment unit	*83.3*									*87.3*															*56.9*	
Score for the site																										
(converted to) **Site Condition Score - out of 3**	**2.50**									**2.62**															**1.70625**	
Site Context																										
Size of patch	10.00	10	**10**			10			10	10	10	**10**			10			10			10			10	10	10
Connectedness	5.00	5	**5**			4			4	4	5	**5**			4			4			4			4	4	5
Context	4.00	5	**5**			2			2	2	5	**5**			2			2			2			2	2	5
Ecological Corridors	6.00	6	**6**			6			6	6	6	**6**			6			6			6			6	6	6
Role of site location to species overall population in the state	5.00	5	**5**			4			4	4	5	**5**			4			4			4			4	4	5
Threats to the species	1.00	15	**15**			15			15	15	15	**15**			7			7			7			7	7	15
Species mobility capacity	10.00	10	**10**			10			10	10	10	**10**			4			4			4			4	4	10
MAX Site Context Score		*56*									*56*															*56*
Score for sampling site						51.0			51.0						37.0			37.0			37.0			37.0		
Score for assessment unit	*41.0*									*51.0*															*37.0*	
Score for the site																										
(converted to) **Site Context Score - out of 3**	**2.20**									**2.73**															**1.98**	

Species Stocking Rate (SSR)
Presence detected on or adjacent to site (neighbouring property with connecting habitat)
Species usage of the site (habitat type & evidenced usage)
Approximate density (per ha)
Role/importance of species population on site*

Scoring Table						Score assigned
Score	0	5		10		5
	No	Yes -		Yes - on-		
Score	0	5	10	15		5
	Not habitat	Dispersal	Foraging	Breeding		
Score	0	10	20	30		10
	0%					
Score	0	5	10		15	0
	0	5 - 15	20 - 35		40 - 45	
Total SRR score -						20
(converted to)						1.14

Scoring Table						Score assigned
Score	0	5		10		10
	No	Yes -		Yes - on-site		
Score	0	5	10	15		15
	Not habitat	Dispersal	Foraging	Breeding		
Score	0	10	20	30		10
	0%					
Score	0	5	10		15	0
	0	5 - 15	20 - 35		40 - 45	
Total SRR score						35
(converted to)						2.00

***SSR Supplementary Table**
*Key source population for breeding
*Key source population for dispersal
*Necessary for maintaining genetic diversity
*Near the limit of the species range

Scoring table			Score assigned
Score	0	10	
	No	Yes/ Possibly	
Score	0	5	
	No	Yes/ Possibly	
Score	0	15	
	No	Yes/ Possibly	
Score	0	15	
	No	Yes	
Total for SSR Supplementary Table			

Scoring table			Score assigned
Score	0	10	
	No	Yes/ Possibly	
Score	0	5	
	No	Yes/ Possibly	
Score	0	15	
	No	Yes/ Possibly	
Score	0	15	
	No	Yes	
Total for SSR Supplementary Table			

Final habitat quality score (weighted)
Site Condition score (out of 3)
Site Context Score (out of 3)
Species Stocking Rate Score (out of 4)
Habitat Quality score - out of 10
Offset Site Average
Assessment Unit Area
Total Offset Area (ha) for MNES
Size weighting
AU Weighted Habitat Quality
Site Weighted Habitat Quality

Offset - Koala (*Phascolarctos cinereus*)

Assessment Unit - Regional Ecosystem	AU3 - 12.3.7									
Site Reference	Benchmark	Site 7			Site 8			Average	Maximum	
Site Condition	**12.3.7**	Raw Data	% Benchmark	Score	Raw Data	% Benchmark	Score	Score	Score	**Total average score**
Large trees (euc plus non-euc)	221	115.38	52	10	174.67	79	10	10	15	9.62
Tree canopy height (average of emergent, canopy, sub-canopy)	NA	NA	NA	5	NA	NA	4	4.5	5	3.72
Recruitment of woody perennial species in EDL	100	40	40	3	29	29	3	3	5	2.64
Tree canopy cover (average of emergent, canopy, sub-canopy)	NA	NA	NA	5	NA	NA	4	4.5	5	3.46
Shrub canopy cover	18	5.5	31	3	4.3	24	3	3	5	2.06
Coarse woody debris	667	120	18	3	366	55	5	4	5	3.07
Native plant species richness - trees	10	7	70	2.5	14	140	5	3.75	5	3.47
Native plant species richness - shrubs	10	5	50	2.5	9	90	5	3.75	5	2.69
Native plant species richness - grasses	7	3	43	2.5	12	171	5	3.75	5	1.69
Native plant species richness - forbes	30	11	37	2.5	16	53	2.5	2.5	5	2.77
Non-native plant cover	0	10		5	12		5	5	10	5.10
Native grass cover	1	0.32	32	1	17.92	1792	5	3	5	2.05
Organic litter	54	78.46	145	5	53.72	99	5	5	5	4.20
Quality and availability of food and foraging habitat	10			5			5	5	10	5.91
Quality and availability of shelter habitat	10			5			5	5	10	5.82
MAX Site Condition Score									*100*	
Score for sampling site				60.0			71.5			
Score for assessment unit								*65.8*		
Score for the site										
(converted to) **Site Condition Score - out of 3**								**1.97**		
Site Context										
Size of patch	**10**			10			10	10	10	10.00
Connectedness	**5**			2			2	2	5	4.55
Context	**5**			2			2	2	5	3.45
Ecological Corridors	**6**			4			4	4	6	5.82
Role of site location to species overall population in the state	**5**			5			5	5	5	4.09
Threats to the species	**15**			7			7	7	15	5.00
Species mobility capacity	**10**			10			8	9	10	7.64
MAX Site Context Score									*56*	
Score for sampling site				40.0			38.0			
Score for assessment unit								*39.0*		
Score for the site										
(converted to) **Site Context Score - out of 3**								**2.09**		

Species Stocking Rate (SSR)	Scoring Table						Score assigned
Presence detected on or adjacent to site (neighbouring property with connecting habitat)	Score	0	5		10		10
		No	Yes -		Yes - on-site		
Species usage of the site (habitat type & evidenced usage)	Score	0	5	10	15		15
		Not habitat	Dispersal	Foraging	Breeding		
Approximate density (per ha)	Score	0	10	20	30		10
		0%					
Role/importance of species population on site*	Score	0	5	10		15	0
		0	5 - 15	20 - 35		40 - 45	
	Total SRR score						35
	(converted to)						2.00

***SSR Supplementary Table**	Scoring table			Score assigned
*Key source population for breeding	Score	0	10	
		No	Yes/ Possibly	
*Key source population for dispersal	Score	0	5	
		No	Yes/ Possibly	
*Necessary for maintaining genetic diversity	Score	0	15	
		No	Yes/ Possibly	
*Near the limit of the species range	Score	0	15	
		No	Yes	
	Total for SSR Supplementary Table			

Final habitat quality score (weighted)
Site Condition score (out of 3)
Site Context Score (out of 3)
Species Stocking Rate Score (out of 4)
Habitat Quality score - out of 10
Offset Site Average
Assessment Unit Area
Total Offset Area (ha) for MNES
Size weighting
AU Weighted Habitat Quality
Site Weighted Habitat Quality

Offset - Grey-headed Flying-fox (*Pteropus poliocephalus*)

47.45

Assessment Unit - Regional Ecosystem	AU 1 - RE 12.11.24													
Site Reference	**Benchmark**	Site 7			Site 8			Site 9			Average	Maximum	**Benchmark**	
Site Condition	**12.11.24**	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score	Score	Score	**12.11.24**	Raw Data
Large trees (euc plus non-euc)	33	10	30	5	4	12	5	6	18	5	5.00	15	33	78.05
Tree canopy height (average of emergent, canopy, sub-canopy)	NA	NA	NA	3	NA	NA	3	NA	NA	3	3.00	5	NA	NA
Recruitment of woody perennial species in EDL	100	29	29	3	50	50	3	10	10	0	2.00	5	100	50
Tree canopy cover (average of emergent, canopy, sub-canopy)	NA	NA	NA	3.5	NA	NA	2	NA	NA	1	2.17	5	NA	NA
Shrub canopy cover	7	0	0	0	13.8	197	5	1.5	21	3	2.67	5	7	0
Coarse woody debris	546	20	4	0	30	5	0	37	7	0	0.00	5	546	908.5
Native plant species richness - trees	10	10	100	5	12	120	5	14	140	5	5.00	5	10	15
Native plant species richness - shrubs	8	6	75	2.5	6	75	2.5	2	25	2.5	2.50	5	8	2
Native plant species richness - grasses	9	7	78	2.5	2	22	0	8	89	2.5	1.67	5	9	11
Native plant species richness - forbes	17	12	71	2.5	9	53	2.5	9	53	2.5	2.50	5	17	12
Non-native plant cover	0	12		5	8		5	7		5	5.00	10	0	3
Native grass cover	39	0	0	0	0.02	0	0	0.66	2	0	0.00	5	39	40.32
Organic litter	45	0	0	0	54.5	121	5	49.38	110	5	3.33	5	45	43.06
Quality and availability of food and foraging habitat	10			1			1			1	1.00	10	10	
(Quality and availability of shelter habitat) NA														
MAX Site Condition Score												*90*		
Score for sampling site				33.0			39.0			35.5				
Score for assessment unit											*35.8*			
Score for the site														
(converted to) **Site Condition Score - out of 7**											**2.79**			
Site Context														
Size of patch	**10**			10			10			10	10.00	10	**10**	
Connectedness	**5**			4			4			4	4.00	5	**5**	
Context	**5**			4			4			4	4.00	5	**5**	
Ecological Corridors	**6**			6			6			6	6.00	6	**6**	
Role of site location to species overall population in the state	**5**			5			5			5	5.00	5	**5**	
Threats to the species	**15**			15			15			15	15.00	15	**15**	
Species mobility capacity	**10**			10			10			10	10.00	10	**10**	
MAX Site Context Score												*56*		
Score for sampling site				54.0			54.0			54.0				
Score for assessment unit											*54.0*			
Score for the site														
(converted to) **Site Context Score - out of 3**											**2.89**			

			48.81				45.64			166	
	Offset 1			Offset 2					Offset 3				**Average / Final**
Final habitat quality score (weighted)	**AU1**	**AU2**	**AU3**	**AU1**	**AU2**	**AU3**	**AU4**	**AU5**	**AU1**	**AU2**	**AU3**		
Site Condition score (out of 7)	2.79	5.30	5.02	0.27	0.47	4.39	4.59	5.44	6.79	4.35	4.73		
Site Context Score (out of 3)	2.89	2.95	2.95	2.73	2.73	2.89	2.89	2.89	2.73	2.36	2.57		
Species Stocking Rate Score (NA)													
Habitat Quality score - out of 10	**5.68**	**8.25**	**7.96**	**3.00**	**3.20**	**7.29**	**7.48**	**8.34**	**9.52**	**6.70**	**7.30**		6.79
Offset Site Average			**7.30**					**5.86**				**7.84**	
Assessment Unit Area	28.27	16.26	4.28	13.31	7.76	4.23	11.04	9.3	14.2	152.5	2.2		
Total Offset Area (ha) for MNES	48.81	48.81	48.81	45.64	45.64	45.64	45.64	45.64	166	166	166		
Size weighting	0.58	0.33	0.09	0.29	0.17	0.09	0.24	0.20	0.09	0.92	0.01		
AU Weighted Habitat Quality	**3.29**	**2.75**	**0.70**	**0.88**	**0.54**	**0.68**	**1.81**	**1.70**	**0.81**	**6.16**	**0.10**		
Site Weighted Habitat Quality			**6.73**					**5.60**				**7.07**	

Offset - Grey-headed Flying-fox (*Pteropus poliocephalus*)

47.45

	Offset 1													
Assessment Unit - Regional Ecosystem	AU 2 - 12.11.24													
Site Reference	Site 2		Site 3			Site 4			Site 6			Average	Maximum	
Site Condition	% Benchmar	Score	Raw Data	% Benchmar	Score	Raw Data	% Benchmar	Score	Raw Data	% Benchmar	Score	Score	Score	
Large trees (euc plus non-euc)	237	15	30	91	10	30	91	10	45.64	138	15	12.5	15	
Tree canopy height (average of emergent, canopy, sub-canopy)	NA	5	NA	NA	5	NA	NA	5	NA	NA	5	5	5	
Recruitment of woody perennial species in EDL	50	3	0	0	0	60	60	3	0	0	0	1.5	5	
Tree canopy cover (average of emergent, canopy, sub-canopy)	NA	3.5	NA	NA	5	NA	NA	3.5	NA	NA	3.5	3.875	5	
Shrub canopy cover	0	0	0.7	10	3	13	186	5	10.3	147	5	3.25	5	
Coarse woody debris	166	5	315	58	5	630	115	5	712	130	5	5	5	
Native plant species richness - trees	150	5	10	100	5	8	80	2.5	13	130	5	4.375	5	
Native plant species richness - shrubs	25	2.5	6	75	2.5	8	100	5	13	163	5	3.75	5	
Native plant species richness - grasses	122	5	7	78	2.5	6	67	2.5	6	67	2.5	3.125	5	
Native plant species richness - forbes	71	2.5	15	88	2.5	21	124	5	20	118	5	3.75	5	
Non-native plant cover		10	2		10	2		10	15		5	8.75	10	
Native grass cover	103	5	46.2	118	5	0.46	1	0	24.1	62	3	3.25	5	
Organic litter	96	5	46.38	103	5	81.64	181	5	74.56	166	5	5	5	
Quality and availability of food and foraging habitat		5			5			5			5	5	10	
(Quality and availability of shelter habitat) NA														
MAX Site Condition Score													*90*	
Score for sampling site		71.5			65.5			66.5			69.0			
Score for assessment unit												*68.1*		
Score for the site														
(converted to) **Site Condition Score - out of 7**												**5.30**		
Site Context														
Size of patch		10			10			10			10	10	10	
Connectedness		5			5			5			5	5	5	
Context		4			4			4			4	4	5	
Ecological Corridors		6			6			6			6	6	6	
Role of site location to species overall population in the state		5			5			5			5	5	5	
Threats to the species		15			15			15			15	15	15	
Species mobility capacity		10			10			10			10	10	10	
MAX Site Context Score													*56*	
Score for sampling site		0.0			0.0			0.0			0.0			
Score for assessment unit												*55.0*		
Score for the site														
(converted to) **Site Context Score - out of 3**												**2.95**		

Final habitat quality score (weighted)
Site Condition score (out of 7)
Site Context Score (out of 3)
Species Stocking Rate Score (NA)
Habitat Quality score - out of 10
Offset Site Average
Assessment Unit Area
Total Offset Area (ha) for MNES
Size weighting
AU Weighted Habitat Quality
Site Weighted Habitat Quality

Offset - Grey-headed Flying-fox (*Pteropus poliocephalus*)

47.45

Assessment Unit - Regional Ecosystem	AU 3 - 12.3.11									AU:			
Site Reference	Benchmark	Site 1			Site 5			Average	Maximum	Benchmark	Site 8		
Site Condition	**12.3.11**	Raw Data	% Benchma	Score	Raw Data	% Benchma	Score	Score	Score	**12.11.24**	Raw Data	% Benchma	Score
Large trees (euc plus non-euc)	58	30	52	10	97.33	168	15	12.5	15	33	0	0	0
Tree canopy height (average of emergent, canopy, sub-canopy)	NA	NA	NA	5	NA	NA	3.5	4.25	5	NA	NA	NA	0
Recruitment of woody perennial species in EDL	100	64	64	3	25	25	3	3	5	100	0	0	0
Tree canopy cover (average of emergent, canopy, sub-canopy)	NA	NA	NA	5	NA	NA	5	5	5	NA	NA	NA	0
Shrub canopy cover	13	8	62	5	11.9	92	5	5	5	7	0	0	0
Coarse woody debris	555	269.5	49	3	174	31	3	3	5	546	0	0	0
Native plant species richness - trees	7	33	471	5	21	300	5	5	5	10	0	0	0
Native plant species richness - shrubs	7	14	200	5	13	186	5	5	5	8	0	0	0
Native plant species richness - grasses	12	1	8	0	3	25	2.5	1.25	5	9	2	22	0
Native plant species richness - forbes	25	25	100	5	25	100	5	5	5	17	1	6	0
Non-native plant cover	0	20		5	20		5	5	10	0	99		0
Native grass cover	44	10.1	23	1	0.32	1	0	0.5	5	39	0.15	0	0
Organic litter	37	66.08	179	5	71.32	193	5	5	5	45	0.44	1	0
Quality and availability of food and foraging habitat	10			5			5	5	10	10			1
(Quality and availability of shelter habitat) NA													
MAX Site Condition Score									*90*				
Score for sampling site				62.0			67.0						1.0
Score for assessment unit								*64.5*					
Score for the site													
(converted to) **Site Condition Score - out of 7**								**5.02**					
Site Context													
Size of patch	**10**			10			10	10	10	**10**			10
Connectedness	**5**			5			5	5	5	**5**			5
Context	**5**			4			4	4	5	**5**			4
Ecological Corridors	**6**			6			6	6	6	**6**			6
Role of site location to species overall population in the state	**5**			5			5	5	5	**5**			1
Threats to the species	**15**			15			15	15	15	**15**			15
Species mobility capacity	**10**			10			10	10	10	**10**			10
MAX Site Context Score									*56*				
Score for sampling site				55.0			55.0						51.0
Score for assessment unit								*55.0*					
Score for the site													
(converted to) **Site Context Score - out of 3**								**2.95**					

Final habitat quality score (weighted)
Site Condition score (out of 7)
Site Context Score (out of 3)
Species Stocking Rate Score (NA)
Habitat Quality score - out of 10
Offset Site Average
Assessment Unit Area
Total Offset Area (ha) for MNES
Size weighting
AU Weighted Habitat Quality
Site Weighted Habitat Quality

Offset - Grey-headed Flying-fox (*Pteropus poliocephalus*)

47.45

Assessment Unit - Regional Ecosystem	- 12.11.24					AU 2 - 12.3.11								
Site Reference	Site 14			Average	Maximum	Benchmark	Site 13			Site 12			Average	Maximum
Site Condition	Raw Data	% Benchma	Score	Score	Score	12.3.11	Raw Data	% Benchma	Score	Raw Data	% Benchma	Score	Score	Score
Large trees (euc plus non-euc)	0	0	0	0	15	30	0	0	0	0	0	0	0	15
Tree canopy height (average of emergent, canopy, sub-canopy)	NA	NA	0	0	5	NA	NA	NA	0	NA	NA	0	0	5
Recruitment of woody perennial species in EDL	0	0	0	0	5	100	0	0	0	0	0	0	0	5
Tree canopy cover (average of emergent, canopy, sub-canopy)	NA	NA	0	0	5	NA	NA	NA	0	NA	NA	0	0	5
Shrub canopy cover	0	0	0	0	5	20	0	0	0	0	0	0	0	5
Coarse woody debris	0	0	0	0	5	555	0	0	0	0	0	0	0	5
Native plant species richness - trees	0	0	0	0	5	7	0	0	0	0	0	0	0	5
Native plant species richness - shrubs	0	0	0	0	5	7	0	0	0	0	0	0	0	5
Native plant species richness - grasses	1	11	0	0	5	12	0	0	0	1	8	0	0	5
Native plant species richness - forbes	2	12	0	0	5	25	1	4	0	0	0	0	0	5
Non-native plant cover	85		0	0	10	0	95		0	95		0	0	10
Native grass cover	0.4	1	0	0	5	44	0	0	0	0	0	0	0	5
Organic litter	26.76	59	5	2.5	5	37	42.28	114	5	67.58	183	5	5	5
Quality and availability of food and foraging habitat			1	1	10	10			1			1	1	10
(Quality and availability of shelter habitat) NA														
MAX Site Condition Score					*90*									*90*
Score for sampling site			6.0						6.0			6.0		
Score for assessment unit				*3.5*									*6.0*	
Score for the site														
(converted to) **Site Condition Score - out of 7**				**0.27**									**0.47**	
Site Context														
Size of patch			10	10	10	**10**			10			10	10	10
Connectedness			5	5	5	**5**			5			5	5	5
Context			4	4	5	**5**			4			4	4	5
Ecological Corridors			6	6	6	**6**			6			6	6	6
Role of site location to species overall population in the state			1	1	5	**5**			1			1	1	5
Threats to the species			15	15	15	**15**			15			15	15	15
Species mobility capacity			10	10	10	**10**			10			10	10	10
MAX Site Context Score					*56*									*56*
Score for sampling site			51.0						51.0			51.0		
Score for assessment unit				*51.0*									*51.0*	
Score for the site														
(converted to) **Site Context Score - out of 3**				**2.73**									**2.73**	

Final habitat quality score (weighted)
Site Condition score (out of 7)
Site Context Score (out of 3)
Species Stocking Rate Score (NA)
Habitat Quality score - out of 10
Offset Site Average
Assessment Unit Area
Total Offset Area (ha) for MNES
Size weighting
AU Weighted Habitat Quality
Site Weighted Habitat Quality

Offset - Grey-headed Flying-fox (*Pteropus poliocephalus*)

47.45

	Offset 2													
Assessment Unit - Regional Ecosystem	AU 3 - 12.11.24									AU				
Site Reference	Benchmark	Site 1			Site 2			Average	Maximum	Benchmark	Site 5			
Site Condition	12.11.24	Raw Data	% Benchma	Score	Raw Data	% Benchma	Score	Score	Score	12.3.11	Raw Data	% Benchma	Score	
Large trees (euc plus non-euc)	33	24	73	10	34	103	15	12.5	15	30	52	173	15	
Tree canopy height (average of emergent, canopy, sub-canopy)	NA	NA	NA	5	NA	NA	5	5	5	NA	NA	NA	5	
Recruitment of woody perennial species in EDL	100	71	71	3	80	80	5	4	5	100	50	50	3	
Tree canopy cover (average of emergent, canopy, sub-canopy)	NA	NA	NA	3.5	NA	NA	5	4.25	5	NA	NA	NA	5	
Shrub canopy cover	7	0	0	0	0	0	0	0	5	20	8.3	42	3	
Coarse woody debris	546	136	25	3	297	54	5	4	5	555	411	74	5	
Native plant species richness - trees	10	12	120	5	13	130	5	5	5	7	15	214	5	
Native plant species richness - shrubs	8	5	63	2.5	2	25	2.5	2.5	5	7	2	29	2.5	
Native plant species richness - grasses	9	3	33	2.5	1	11	0	1.25	5	12	1	8	0	
Native plant species richness - forbes	17	8	47	2.5	15	88	2.5	2.5	5	25	8	32	2.5	
Non-native plant cover	0	80		0	15		5	2.5	10	0	60		0	
Native grass cover	39	25.2	65	3	27.5	71	3	3	5	44	26.8	61	3	
Organic litter	45	46.98	104	5	61.06	136	5	5	5	37	47.4	128	5	
Quality and availability of food and foraging habitat	10			5			5	5	10	10			5	
(Quality and availability of shelter habitat) NA														
MAX Site Condition Score									*90*					
Score for sampling site				50.0			63.0						59.0	
Score for assessment unit								*56.5*						
Score for the site														
(converted to) **Site Condition Score - out of 7**								**4.39**						
Site Context														
Size of patch	**10**			10			10	10	10	**10**			10	
Connectedness	**5**			5			5	5	5	**5**			5	
Context	**5**			4			4	4	5	**5**			4	
Ecological Corridors	**6**			6			6	6	6	**6**			6	
Role of site location to species overall population in the state	**5**			4			4	4	5	**5**			4	
Threats to the species	**15**			15			15	15	15	**15**			15	
Species mobility capacity	**10**			10			10	10	10	**10**			10	
MAX Site Context Score									*56*					
Score for sampling site				54.0			54.0						54.0	
Score for assessment unit								*54.0*						
Score for the site														
(converted to) **Site Context Score - out of 3**								**2.89**						

Final habitat quality score (weighted)
Site Condition score (out of 7)
Site Context Score (out of 3)
Species Stocking Rate Score (NA)
Habitat Quality score - out of 10
Offset Site Average
Assessment Unit Area
Total Offset Area (ha) for MNES
Size weighting
AU Weighted Habitat Quality
Site Weighted Habitat Quality

Offset - Grey-headed Flying-fox (*Pteropus poliocephalus*)

47.45

Assessment Unit - Regional Ecosystem	4 - 12.3.11					AU 5- 12.11.27									
Site Reference	Site 6			Average	Maximum	Benchmark	Site 3			Site 4			Site 7		
Site Condition	Raw Data	% Benchma	Score	Score	Score	12.11.27	Raw Data	% Benchma	Score	Raw Data	% Benchma	Score	Raw Data	% Benchma	
Large trees (euc plus non-euc)	64	213	15	15	15	27	22	81	10	44	163	15	40	148	
Tree canopy height (average of emergent, canopy, sub-canopy)	NA	NA	5	5	5	NA	NA	NA	5	NA	NA	5	NA	NA	
Recruitment of woody perennial species in EDL	57	57	3	3	5	100	100	100	5	75	75	5	100	100	
Tree canopy cover (average of emergent, canopy, sub-canopy)	NA	NA	5	5	5	NA	NA	NA	4	NA	NA	4	NA	NA	
Shrub canopy cover	30.2	151	5	4	5	13	0	0	0	2.9	22	3	0	0	
Coarse woody debris	294	53	5	5	5	639	374.5	59	5	598	94	5	369.5	58	
Native plant species richness - trees	17	243	5	5	5	8	11	138	5	17	213	5	12	150	
Native plant species richness - shrubs	3	43	2.5	2.5	5	7	5	71	2.5	7	100	5	6	86	
Native plant species richness - grasses	2	17	0	0	5	7	5	71	2.5	6	86	2.5	6	86	
Native plant species richness - forbes	15	60	2.5	2.5	5	14	16	114	5	15	107	5	10	71	
Non-native plant cover	32		3	1.5	10	0	15		5	3		10	3		
Native grass cover	0.9	2	0	1.5	5	26	11	42	1	17.4	67	3	18.9	73	
Organic litter	81.9	221	3	4	5	51	63.74	125	5	52.58	103	5	24.2	47	
Quality and availability of food and foraging habitat			5	5	10	10			5			5			
(Quality and availability of shelter habitat) NA															
MAX Site Condition Score					*90*										
Score for sampling site			59.0						60.0			77.5			
Score for assessment unit				*59.0*											
Score for the site															
(converted to) **Site Condition Score - out of 7**				**4.59**											
Site Context															
Size of patch			10	10	10	**10**			10			10			
Connectedness			5	5	5	**5**			5			5			
Context			4	4	5	**5**			4			4			
Ecological Corridors			6	6	6	**6**			6			6			
Role of site location to species overall population in the state			4	4	5	**5**			4			4			
Threats to the species			15	15	15	**15**			15			15			
Species mobility capacity			10	10	10	**10**			10			10			
MAX Site Context Score					*56*										
Score for sampling site			54.0						54.0			54.0			
Score for assessment unit				*54.0*											
Score for the site															
(converted to) **Site Context Score - out of 3**				**2.89**											

Final habitat quality score (weighted)
Site Condition score (out of 7)
Site Context Score (out of 3)
Species Stocking Rate Score (NA)
Habitat Quality score - out of 10
Offset Site Average
Assessment Unit Area
Total Offset Area (ha) for MNES
Size weighting
AU Weighted Habitat Quality
Site Weighted Habitat Quality

Offset - Grey-headed Flying-fox (*Pteropus poliocephalus*)

47.45

Assessment Unit - Regional Ecosystem				**AU 1 - 12.8.17**									
Site Reference		Average	Maximum	**Benchmark**	Site 1			Site 2			Average	Maximum	**Benchmark**
Site Condition	Score	Score	Score	**12.8.17**	Raw Data	% Benchma	Score	Raw Data	% Benchma	Score	Score	Score	**12.8.17**
Large trees (euc plus non-euc)	15	13.33	15	24	48	200	15	26	108	15	15	15	24
Tree canopy height (average of emergent, canopy, sub-canopy)	5	5.00	5	NA	NA	NA	5	NA	NA	5	5	5	NA
Recruitment of woody perennial species in EDL	5	5.00	5	100	0	0	0	100	100	5	2.5	5	100
Tree canopy cover (average of emergent, canopy, sub-canopy)	4	4.00	5	NA	NA	NA	5	NA	NA	5	5	5	NA
Shrub canopy cover	0	1.00	5	5	1	20	3	0.7	14	3	3	5	5
Coarse woody debris	5	5.00	5	234	210	90	5	294	126	5	5	5	234
Native plant species richness - trees	5	5.00	5	7	0	0	0	9	129	5	2.5	5	7
Native plant species richness - shrubs	2.5	3.33	5	5	6	120	5	3	60	2.5	3.75	5	5
Native plant species richness - grasses	2.5	2.50	5	12	10	83	2.5	6	50	2.5	2.5	5	12
Native plant species richness - forbes	2.5	4.17	5	27	25	93	5	35	130	5	5	5	27
Non-native plant cover	10	8.33	10	0	4		10	3		10	10	10	0
Native grass cover	3	2.33	5	32	45.8	143	5	35.4	111	5	5	5	32
Organic litter	3	4.33	5	21	50.14	239	3	57.4	273	3	3	5	21
Quality and availability of food and foraging habitat	10	6.67	10	10			10			10	10	10	10
(Quality and availability of shelter habitat) NA							10			10	10		
MAX Site Condition Score			*90*									*90*	
Score for sampling site	72.5						83.5			91.0			
Score for assessment unit		*70.0*									*87.3*		
Score for the site													
(converted to) **Site Condition Score - out of 7**		**5.44**									**6.79**		
Site Context													
Size of patch	10	10	10	**10**			10			10	10	10	**10**
Connectedness	5	5	5	**5**			4			4	4	5	**5**
Context	4	4	5	**5**			2			2	2	5	**5**
Ecological Corridors	6	6	6	**6**			6			6	6	6	**6**
Role of site location to species overall population in the state	4	4	5	**5**			4			4	4	5	**5**
Threats to the species	15	15	15	**15**			15			15	15	15	**15**
Species mobility capacity	10	10	10	**10**			10			10	10	10	**10**
MAX Site Context Score			*56*									*56*	
Score for sampling site	54.0						51.0			51.0			
Score for assessment unit		*54.0*									*51.0*		
Score for the site													
(converted to) **Site Context Score - out of 3**		**2.89**									**2.73**		

Final habitat quality score (weighted)
Site Condition score (out of 7)
Site Context Score (out of 3)
Species Stocking Rate Score (NA)
Habitat Quality score - out of 10
Offset Site Average
Assessment Unit Area
Total Offset Area (ha) for MNES
Size weighting
AU Weighted Habitat Quality
Site Weighted Habitat Quality

Offset - Grey-headed Flying-fox (*Pteropus poliocephalus*)

47.45

	Offset 3												
Assessment Unit - Regional Ecosystem	AU2 - 12.8.17												
Site Reference	Site 3			Site 4			Site 5			Site 6			Average
Site Condition	Raw Data	% Benchmar	Score	Raw Data	% Benchmar	Score	Raw Data	% Benchmar	Score	Raw Data	% Benchmar	Score	Score
Large trees (euc plus non-euc)	52	217	15	14	58	10	14	58	10	4	17	5	10.00
Tree canopy height (average of emergent, canopy, sub-canopy)	NA	NA	1.5	NA	NA	5	NA	NA	5	NA	NA	5	4.13
Recruitment of woody perennial species in EDL	100	100	5	100	100	5	100	100	5	100	100	5	5.00
Tree canopy cover (average of emergent, canopy, sub-canopy)	NA	NA	5	NA	NA	4	NA	NA	4	NA	NA	4	4.25
Shrub canopy cover	1.7	34	3	0	0	0	0.1	2	0	0	0	0	0.75
Coarse woody debris	143	61	5	101	43	3	12	5	0	45	19	3	2.75
Native plant species richness - trees	6	86	2.5	4	57	2.5	3	43	2.5	3	43	2.5	2.50
Native plant species richness - shrubs	4	80	2.5	6	120	5	1	20	0	4	80	2.5	2.50
Native plant species richness - grasses	12	100	5	2	17	0	6	50	2.5	10	83	2.5	2.50
Native plant species richness - forbes	12	44	2.5	12	44	2.5	13	48	2.5	8	30	2.5	2.50
Non-native plant cover	2		10	2		10	1		10	1		10	10.00
Native grass cover	54.68	171	5	8.4	26	1	86.54	270	5	31.8	99	5	4.00
Organic litter	43.3	206	3	31.9	152	5	12	57	5	3	14	3	4.00
Quality and availability of food and foraging habitat			1			1			1			1	1.00
(Quality and availability of shelter habitat) NA			1			1			1			1	
MAX Site Condition Score													
Score for sampling site			67.0			55.0			53.5			52.0	
Score for assessment unit													*55.9*
Score for the site													
(converted to) **Site Condition Score - out of 7**													**4.35**
Site Context													
Size of patch			10			10			10			10	10
Connectedness			4			4			4			4	4
Context			2			2			2			2	2
Ecological Corridors			6			6			6			6	6
Role of site location to species overall population in the state			5			5			5			5	5
Threats to the species			7			7			7			7	7
Species mobility capacity			10			10			10			10	10
MAX Site Context Score													
Score for sampling site			0.0			0.0			0.0			0.0	
Score for assessment unit													*44.0*
Score for the site													
(converted to) **Site Context Score - out of 3**													**2.36**

Final habitat quality score (weighted)
Site Condition score (out of 7)
Site Context Score (out of 3)
Species Stocking Rate Score (NA)
Habitat Quality score - out of 10
Offset Site Average
Assessment Unit Area
Total Offset Area (ha) for MNES
Size weighting
AU Weighted Habitat Quality
Site Weighted Habitat Quality

Offset - Grey-headed Flying-fox (*Pteropus poliocephalus*)

47.45

Assessment Unit - Regional Ecosystem		AU3 - 12.3.7									
Site Reference	Maximum	Benchmark	Site 7			Site 8			Average	Maximum	
Site Condition	Score	12.3.7	Raw Data	% Benchmar	Score	Raw Data	% Benchmar	Score	Score	Score	**Total average score**
Large trees (euc plus non-euc)	15	221	115.38	52	10	174.67	79	10	10	15	9.62
Tree canopy height (average of emergent, canopy, sub-canopy)	5	NA	NA	NA	5	NA	NA	4	4.5	5	3.72
Recruitment of woody perennial species in EDL	5	100	40	40	3	29	29	3	3	5	2.64
Tree canopy cover (average of emergent, canopy, sub-canopy)	5	NA	NA	NA	5	NA	NA	4	4.5	5	3.46
Shrub canopy cover	5	18	5.5	31	3	4.3	24	3	3	5	2.06
Coarse woody debris	5	667	120	18	3	366	55	5	4	5	3.07
Native plant species richness - trees	5	10	7	70	2.5	14	140	5	3.75	5	3.47
Native plant species richness - shrubs	5	10	5	50	2.5	9	90	5	3.75	5	2.69
Native plant species richness - grasses	5	7	3	43	2.5	12	171	5	3.75	5	1.69
Native plant species richness - forbes	5	30	11	37	2.5	16	53	2.5	2.5	5	2.77
Non-native plant cover	10	0	10		5	12		5	5	10	5.10
Native grass cover	5	1	0.32	32	1	17.92	1792	5	3	5	2.05
Organic litter	5	54	78.46	145	5	53.72	99	5	5	5	4.20
Quality and availability of food and foraging habitat	10	10			5			5	5	10	4.15
(Quality and availability of shelter habitat) NA											
MAX Site Condition Score	*90*									*90*	
Score for sampling site					55.0			66.5			
Score for assessment unit									*60.8*		
Score for the site											
(converted to) **Site Condition Score - out of 7**									**4.73**		
Site Context											
Size of patch	10	**10**			10			10	10	10	10.00
Connectedness	5	**5**			2			2	2	5	4.45
Context	5	**5**			2			2	2	5	3.45
Ecological Corridors	6	**6**			4			4	4	6	5.82
Role of site location to species overall population in the state	5	**5**			5			5	5	5	3.91
Threats to the species	15	**15**			15			15	15	15	14.27
Species mobility capacity	10	**10**			10			10	10	10	10.00
MAX Site Context Score	*56*									*56*	
Score for sampling site					0.0			0.0			
Score for assessment unit									*48.0*		
Score for the site											
(converted to) **Site Context Score - out of 3**									**2.57**		

Final habitat quality score (weighted)
Site Condition score (out of 7)
Site Context Score (out of 3)
Species Stocking Rate Score (NA)
Habitat Quality score - out of 10
Offset Site Average
Assessment Unit Area
Total Offset Area (ha) for MNES
Size weighting
AU Weighted Habitat Quality
Site Weighted Habitat Quality

Offset - Greater Glider (Petauroides volans)

													Offset 1														
Assessment Unit - Regional Ecosystem	**AU 1 - RE 12.11.24**												**AU 2 - 12.11.24**														
Site Reference	**Benchmark**	Site 7			Site 8			Site 9			Average	Maximum	**Benchmark**	Site 2			Site 3			Site 4			Site 6			Average	Maximum
Site Condition	**12.11.24**	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score	Score	Score	**12.11.24**	Raw Data	% Benchmar	Score	Raw Data	% Benchmar	Score	Raw Data	% Benchmar	Score	Raw Data	% Benchmar	Score	Score	Score
Large trees (euc plus non-euc)	33	10	30	5	4	12	5	6	18	5	5.00	15	33	78.05	237	15	30	91	10	30	91	10	45.64	138	15	12.5	15
Tree canopy height (average of emergent, canopy, sub-canopy)	NA	NA	NA	3	NA	NA	3	NA	NA	3	3.00	5	NA	NA	NA	5	NA	NA	5	NA	NA	5	NA	NA	5	5	5
Recruitment of woody perennial species in EDL	100	29	29	3	50	50	3	10	10	0	2.00	5	100	50	50	3	0	0	0	60	60	3	0	0	0	1.5	5
Tree canopy cover (average of emergent, canopy, sub-canopy)	NA	NA	NA	3.5	NA	NA	2	NA	NA	1	2.17	5	NA	NA	NA	3.5	NA	NA	5	NA	NA	3.5	NA	NA	3.5	3.875	5
Shrub canopy cover	7	0	0	0	13.8	197	5	1.5	21	3	2.67	5	7	0	0	0	0.7	10	3	13	186	5	10.3	147	5	3.25	5
Coarse woody debris	546	20	4	0	30	5	0	37	7	0	0.00	5	546	908.5	166	5	315	58	5	630	115	5	712	130	5	5	5
Native plant species richness - trees	10	10	100	5	12	120	5	14	140	5	5.00	5	10	15	150	5	10	100	5	8	80	2.5	13	130	5	4.375	5
Native plant species richness - shrubs	8	6	75	2.5	6	75	2.5	2	25	2.5	2.50	5	8	2	25	2.5	6	75	2.5	8	100	5	13	163	5	3.75	5
Native plant species richness - grasses	9	7	78	2.5	2	22	0	8	89	2.5	1.67	5	9	11	122	5	7	78	2.5	6	67	2.5	6	67	2.5	3.125	5
Native plant species richness - forbes	17	12	71	2.5	9	53	2.5	9	53	2.5	2.50	5	17	12	71	2.5	15	88	2.5	21	124	5	20	118	5	3.75	5
Non-native plant cover	0	12		5	8		5	7		5	5.00	10	0	3		10	2		10	2		10	15		5	8.75	10
Native grass cover	39	0	0	0	0.02	0	0	0.66	2	0	0.00	5	39	40.32	103	5	46.2	118	5	0.46	1	0	24.1	62	3	3.25	5
Organic litter	45	0	0	0	54.5	121	5	49.38	110	5	3.33	5	45	43.06	96	5	46.38	103	5	81.64	181	5	74.56	166	5	5	5
Quality and availability of food and foraging habitat	10			5			5			5	5.00	10	10			5			5			5			5	5	10
Quality and availability of shelter habitat	10			1			1			1	1.00	10	10			1			1			1			10	3.25	10
MAX Site Condition Score												*100*															*100*
Score for sampling site				38.0			44.0			40.5						72.5			66.5			67.5			79.0		
Score for assessment unit											*40.8*															*71.4*	
Score for the site																											
(converted to) **Site Condition Score - out of 3**											**1.23**															**2.14**	
Site Context																											
Size of patch	**10**			10			10			10	10.00	10	**10**			10			10			10			10	10	10
Connectedness	**5**			5			5			5	5.00	5	**5**			5			5			5			5	5	5
Context	**5**			4			4			4	4.00	5	**5**			4			4			4			4	4	5
Ecological Corridors	**6**			6			6			6	6.00	6	**6**			6			6			6			6	6	6
Role of site location to species overall population in the state	**5**			5			5			5	5.00	5	**5**			5			5			5			5	5	5
Threats to the species	**15**			7			7			7	7.00	15	**15**			7			7			7			7	7	15
Species mobility capacity	**10**			5			5			5	5.00	10	**10**			10			10			10			10	10	10
MAX Site Context Score												*56*															*56*
Score for sampling site				42.0			42.0			42.0						47.0			47.0			47.0			47.0		
Score for assessment unit											*42.0*															*47.0*	
Score for the site																											
(converted to) **Site Context Score - out of 3**											**2.25**															**2.52**	

Species Stocking Rate (SSR)	Scoring Table - AU1						Score assigned
Presence detected on or adjacent to site (neighbouring property with connecting habitat)	Score	0	5		10		5
		No	Yes -		Yes - on-		
Species usage of the site (habitat type & evidenced usage)	Score	0	5	10	15		10
		Not habitat	Dispersal	Foraging	Breeding		
Approximate density (per ha)	Score	0	10	20	30		0
		0%					
Role/importance of species population on site*	Score	0	5	10		15	0
		0	5 - 15	20 - 35		40 - 45	
	Total SRR score -						15
	(converted to)						0.86

Scoring Table						Score assigned
Score	0	5		10		5
	No	Yes -		Yes - on-site		
Score	0	5	10	15		10
	Not habitat	Dispersal	Foraging	Breeding		
Score	0	10	20	30		0
	0%					
Score	0	5	10		15	0
	0	5 - 15	20 - 35		40 - 45	
Total SRR score						15
(converted to)						0.86

***SSR Supplementary Table**	Scoring table		Score assigned
*Key source population for breeding	Score	0	10	
	No	Yes/ Possibly	
*Key source population for dispersal	Score	0	5	
	No	Yes/ Possibly	
*Necessary for maintaining genetic diversity	Score	0	15	
	No	Yes/ Possibly	
*Near the limit of the species range	Score	0	15	
	No	Yes	
	Total for SSR Supplementary Table		

Scoring table			Score assigned
Score	0	10	
	No	Yes/ Possibly	
Score	0	5	
	No	Yes/ Possibly	
Score	0	15	
	No	Yes/ Possibly	
Score	0	15	
	No	Yes	
Total for SSR Supplementary Table			

			48.81					45.64				166	168.9	
	Offset 1			Offset 2					Offset 3					**Average / Final**
Final habitat quality score (weighted)	**AU1**	**AU2**	**AU3**	**AU1**	**AU2**	**AU3**	**AU4**	**AU5**	**AU1**	**AU2**	**AU3**			
Site Condition score (out of 3)	1.23	2.14	2.39	0.14	0.21	1.88	1.98	2.35	2.62	1.71	1.97			
Site Context Score (out of 3)	2.25	2.52	2.25	1.82	1.82	2.20	2.04	2.20	2.73	1.98	2.09			
Species Stocking Rate Score (out of 4)	0.86	0.86	1.14	0.57	0.57	0.57	0.86	0.86	0.57	0.00	0.57			
Habitat Quality score - out of 10	**4.33**	**5.52**	**5.78**	**2.53**	**2.60**	**4.64**	**4.87**	**5.40**	**5.92**	**3.69**	**4.63**			**4.54**
Offset Site Average			**5.21**					**4.01**					**4.75**	
Assessment Unit Area	28.27	16.26	4.28	13.31	7.76	4.23	11.04	9.3	14.2	152.5	2.2			
Total Offset Area (ha) for MNES	48.81	48.81	48.81	45.64	45.64	45.64	45.64	45.64	168.9	168.9	168.9			
Size weighting	0.58	0.33	0.09	0.29	0.17	0.09	0.24	0.20	0.08	0.90	0.01			
AU Weighted Habitat Quality	**2.51**	**1.84**	**0.51**	**0.74**	**0.44**	**0.43**	**1.18**	**1.10**	**0.50**	**3.33**	**0.06**			
Site Weighted Habitat Quality			**4.85**					**3.89**					**3.89**	

Offset - Greater Glider (Petauroides volans)

Assessment Unit - Regional Ecosystem	AU 3 - 12.3.11									AU1 - 12.11.24									AU 2 - 12.3.11								
Site Reference	Benchmark	Site 1			Site 5			Average	Maximum	Benchmark	Site 8			Site 14			Average	Maximum	Benchmark	Site 13			Site 12			Average	Maximum
Site Condition	12.3.11	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score	Score	Score	12.11.24	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score	Score	Score	12.3.11	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score	Score	Score
Large trees (euc plus non-euc)	58	30	52	10	97.33	168	15	12.5	15	33	0	0	0	0	0	0	0	15	30	0	0	0	0	0	0	0	15
Tree canopy height (average of emergent, canopy, sub-canopy)	NA	NA	NA	5	NA	NA	3.5	4.25	5	NA	NA	NA	0	NA	NA	0	0	5	NA	NA	NA	0	NA	NA	0	0	5
Recruitment of woody perennial species in EDL	100	64	64	3	25	25	3	3	5	100	0	0	0	0	0	0	0	5	100	0	0	0	0	0	0	0	5
Tree canopy cover (average of emergent, canopy, sub-canopy)	NA	NA	NA	5	NA	NA	5	5	5	NA	NA	NA	0	NA	NA	0	0	5	NA	NA	NA	0	NA	NA	0	0	5
Shrub canopy cover	13	8	62	5	11.9	92	5	5	5	7	0	0	0	0	0	0	0	5	20	0	0	0	0	0	0	0	5
Coarse woody debris	555	269.5	49	3	174	31	3	3	5	546	0	0	0	0	0	0	0	5	555	0	0	0	0	0	0	0	5
Native plant species richness - trees	7	33	471	5	21	300	5	5	5	10	0	0	0	0	0	0	0	5	7	0	0	0	0	0	0	0	5
Native plant species richness - shrubs	7	14	200	5	13	186	5	5	5	8	0	0	0	0	0	0	0	5	7	0	0	0	0	0	0	0	5
Native plant species richness - grasses	12	1	8	0	3	25	2.5	1.25	5	9	2	22	0	1	11	0	0	5	12	0	0	0	1	8	0	0	5
Native plant species richness - forbes	25	25	100	5	25	100	5	5	5	17	1	6	0	2	12	0	0	5	25	1	4	0	0	0	0	0	5
Non-native plant cover	0	20		5	20		5	5	10	0	99		0	85		0	0	10	0	95		0	95		0	0	10
Native grass cover	44	10.1	23	1	0.32	1	0	0.5	5	39	0.15	0	0	0.4	1	0	0	5	44	0	0	0	0	0	0	0	5
Organic litter	37	66.08	179	5	71.32	193	5	5	5	45	0.44	1	0	26.76	59	5	2.5	5	37	42.28	114	5	67.58	183	5	5	5
Quality and availability of food and foraging habitat	10			10			10	10	10	10			1			1	1	10	10			1			1	1	10
Quality and availability of shelter habitat	10			10			10	10	10	10			1			1	1	10	10			1			1	1	10
MAX Site Condition Score									*100*									*100*									*100*
Score for sampling site				77.0			82.0						2.0			7.0						7.0			7.0		
Score for assessment unit								*79.5*									*4.5*									*7.0*	
Score for the site																											
(converted to) **Site Condition Score - out of 3**								**2.39**									**0.14**									**0.21**	
Site Context																											
Size of patch	**10**			10			10	10	10	**10**			10			10	10	10	**10**			10			10	10	10
Connectedness	**5**			5			5	5	5	**5**			5			5	5	5	**5**			5			5	5	5
Context	**5**			4			4	4	5	**5**			4			4	4	5	**5**			4			4	4	5
Ecological Corridors	**6**			6			6	6	6	**6**			6			6	6	6	**6**			6			6	6	6
Role of site location to species overall population in the state	**5**			5			5	5	5	**5**			1			1	1	5	**5**			1			1	1	5
Threats to the species	**15**			7			7	7	15	**15**			1			1	1	15	**15**			1			1	1	15
Species mobility capacity	**10**			5			5	5	10	**10**			7			7	7	10	**10**			7			7	7	10
MAX Site Context Score									*56*									*56*									*56*
Score for sampling site				42.0			42.0						34.0			34.0						34.0			34.0		
Score for assessment unit								*42.0*									*34.0*									*34.0*	
Score for the site																											
(converted to) **Site Context Score - out of 3**								**2.25**									**1.82**									**1.82**	

Species Stocking Rate (SSR)	Scoring Table						Score assigned
Presence detected on or adjacent to site (neighbouring property with connecting habitat)	Score	0	5		10		5
		No	Yes -		Yes - on-		
Species usage of the site (habitat type & evidenced usage)	Score	0	5	10	15		15
		Not habitat	Dispersal	Foraging	Breeding		
Approximate density (per ha)	Score	0	10	20	30		0
		0%					
Role/importance of species population on site*	Score	0	5	10		15	0
		0	5 - 15	20 - 35		40 - 45	
	Total SRR score -						20
	(converted to)						1.14

Scoring Table						Score assigned
Score	0	5		10		0
	No	Yes -		Yes - on-		
Score	0	5	10	15		10
	Not habitat	Dispersal	Foraging	Breeding		
Score	0	10	20	30		0
	0%					
Score	0	5	10		15	0
	0	5 - 15	20 - 35		40 - 45	
Total SRR score -						10
(converted to)						0.57

Scoring Table						Score assigned
Score	0	5		10		0
	No	Yes -		Yes - on-		
Score	0	5	10	15		10
	Not habitat	Dispersal	Foraging	Breeding		
Score	0	10	20	30		0
	0%					
Score	0	5	10		15	0
	0	5 - 15	20 - 35		40 - 45	
Total SRR score -						10
(converted to)						0.57

***SSR Supplementary Table**	Scoring table		Score assigned
*Key source population for breeding	Score	0	10	
	No	Yes/ Possibly	
*Key source population for dispersal	Score	0	5	
	No	Yes/ Possibly	
*Necessary for maintaining genetic diversity	Score	0	15	
	No	Yes/ Possibly	
*Near the limit of the species range	Score	0	15	
	No	Yes	
	Total for SSR Supplementary Table		

Scoring table			Score assigned
Score	0	10	
No		Yes/ Possibly	
Score	0	5	
No		Yes/ Possibly	
Score	0	15	
No		Yes/ Possibly	
Score	0	15	
No		Yes	
Total for SSR Supplementary Table			

Scoring table			Score assigned
Score	0	10	
No		Yes/ Possibly	
Score	0	5	
No		Yes/ Possibly	
Score	0	15	
No		Yes/ Possibly	
Score	0	15	
No		Yes	
Total for SSR Supplementary Table			

Final habitat quality score (weighted)
Site Condition score (out of 3)
Site Context Score (out of 3)
Species Stocking Rate Score (out of 4)
Habitat Quality score - out of 10
Offset Site Average
Assessment Unit Area
Total Offset Area (ha) for MNES
Size weighting
AU Weighted Habitat Quality
Site Weighted Habitat Quality

Offset - Greater Glider (Petauroides volans)

	Offset 2																										
Assessment Unit - Regional Ecosystem	AU 3 - 12.11.24									AU 4 - 12.3.11									AU 5- 12.11.27								
Site Reference	Benchmark	Site 1			Site 2			Average	Maximum	Benchmark	Site 5			Site 6			Average	Maximum	Benchmark	Site 3			Site 4			Site 7		
Site Condition	**12.11.24**	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score	Score	Score	**12.3.11**	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score	Score	Score	**12.11.27**	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score
Large trees (euc plus non-euc)	33	24	73	10	34	103	15	12.5	15	30	52	173	15	64	213	15	15	15	27	22	81	10	44	163	15	40	148	15
Tree canopy height (average of emergent, canopy, sub-canopy)	NA	NA	NA	5	NA	NA	5	5	5	NA	NA	NA	5	NA	NA	5	5	5	NA	NA	NA	5	NA	NA	5	NA	NA	5
Recruitment of woody perennial species in EDL	100	71	71	3	80	80	5	4	5	100	50	50	3	57	57	3	3	5	100	100	100	5	75	75	5	100	100	5
Tree canopy cover (average of emergent, canopy, sub-canopy)	NA	NA	NA	3.5	NA	NA	5	4.25	5	NA	NA	NA	5	NA	NA	5	5	5	NA	NA	NA	4	NA	NA	4	NA	NA	4
Shrub canopy cover	7	0	0	0	0	0	0	0	5	20	8.3	42	3	30.2	151	5	4	5	13	0	0	0	2.9	22	3	0	0	0
Coarse woody debris	546	136	25	3	297	54	5	4	5	555	411	74	5	294	53	5	5	5	639	374.5	59	5	598	94	5	369.5	58	5
Native plant species richness - trees	10	12	120	5	13	130	5	5	5	7	15	214	5	17	243	5	5	5	8	11	138	5	17	213	5	12	150	5
Native plant species richness - shrubs	8	5	63	2.5	2	25	2.5	2.5	5	7	2	29	2.5	3	43	2.5	2.5	5	7	5	71	2.5	7	100	5	6	86	2.5
Native plant species richness - grasses	9	3	33	2.5	1	11	0	1.25	5	12	1	8	0	2	17	0	0	5	7	5	71	2.5	6	86	2.5	6	86	2.5
Native plant species richness - forbes	17	8	47	2.5	15	88	2.5	2.5	5	25	8	32	2.5	15	60	2.5	2.5	5	14	16	114	5	15	107	5	10	71	2.5
Non-native plant cover	0	80		0	15		5	2.5	10	0	60		0	32		3	1.5	10	0	15		5	3		10	3		10
Native grass cover	39	25.2	65	3	27.5	71	3	3	5	44	26.8	61	3	0.9	2	0	1.5	5	26	11	42	1	17.4	67	3	18.9	73	3
Organic litter	45	46.98	104	5	61.06	136	5	5	5	37	47.4	128	5	81.9	221	3	4	5	51	63.74	125	5	52.58	103	5	24.2	47	3
Quality and availability of food and foraging habitat	10			10			10	10	10	10			7			7	7	10	10			10			10			10
Quality and availability of shelter habitat	10			1			1	1	10	10			5			5	5	10	10			5			5			5
MAX Site Condition Score									*100*									*100*										
Score for sampling site				56.0			69.0						66.0			66.0						70.0			87.5			77.5
Score for assessment unit								*62.5*									*66.0*											
Score for the site																												
(converted to) **Site Condition Score - out of 3**								**1.88**									**1.98**											
Site Context																												
Size of patch	**10**			10			10	10	10	**10**			10			10	10	10	**10**			10			10			10
Connectedness	**5**			5			5	5	5	**5**			5			5	5	5	**5**			5			5			5
Context	**5**			4			4	4	5	**5**			4			4	4	5	**5**			4			4			4
Ecological Corridors	**6**			6			6	6	6	**6**			6			6	6	6	**6**			6			6			6
Role of site location to species overall population in the state	**5**			5			5	5	5	**5**			5			5	5	5	**5**			5			5			5
Threats to the species	**15**			1			1	1	15	**15**			1			1	1	15	**15**			1			1			1
Species mobility capacity	**10**			10			10	10	10	**10**			7			7	7	10	**10**			10			10			10
MAX Site Context Score									*56*									*56*										
Score for sampling site				41.0			41.0						38.0			38.0						41.0			41.0			41.0
Score for assessment unit								*41.0*									*38.0*											
Score for the site																												
(converted to) **Site Context Score - out of 3**								**2.20**									**2.04**											

Species Stocking Rate (SSR)	Scoring Table						Score assigned
Presence detected on or adjacent to site (neighbouring property with connecting habitat)	Score	0	5		10		0
		No	Yes -		Yes - on-		
Species usage of the site (habitat type & evidenced usage)	Score	0	5	10	15		10
		Not habitat	Dispersal	Foraging	Breeding		
Approximate density (per ha)	Score	0	10	20	30		0
		0%					
Role/importance of species population on site*	Score	0	5	10		15	
		0	5 - 15	20 - 35		40 - 45	
	Total SRR score -						10
	(converted to)						0.57

Scoring Table						Score assigned
Score	0	5		10		0
	No	Yes -		Yes - on-		
Score	0	5	10	15		15
	Not habitat	Dispersal	Foraging	Breeding		
Score	0	10	20	30		0
	0%					
Score	0	5	10		15	
	0	5 - 15	20 - 35		40 - 45	
Total SRR score -						15
(converted to)						0.86

Scoring Table						Score assigned
Score	0	5		10		0
	No	Yes -		Yes - on-		
Score	0	5	10	15		15
	Not habitat	Dispersal	Foraging	Breeding		
Score	0	10	20	30		0
	0%					
Score	0	5	10		15	0
	0	5 - 15	20 - 35		40 - 45	
Total SRR score -						15
(converted to)						0.86

***SSR Supplementary Table**	Scoring table		Score assigned
*Key source population for breeding	Score	0	10	
	No	Yes/ Possibly	
*Key source population for dispersal	Score	0	5	
	No	Yes/ Possibly	
*Necessary for maintaining genetic diversity	Score	0	15	
	No	Yes/ Possibly	
*Near the limit of the species range	Score	0	15	
	No	Yes	
	Total for SSR Supplementary Table		

Scoring table			Score assigned
Score	0	10	
No		Yes/ Possibly	
Score	0	5	
No		Yes/ Possibly	
Score	0	15	
No		Yes/ Possibly	
Score	0	15	
No		Yes	
Total for SSR Supplementary Table			

Scoring table			Score assigned
Score	0	10	
No		Yes/ Possibly	
Score	0	5	
No		Yes/ Possibly	
Score	0	15	
No		Yes/ Possibly	
Score	0	15	
No		Yes	
Total for SSR Supplementary Table			

Final habitat quality score (weighted)
Site Condition score (out of 3)
Site Context Score (out of 3)
Species Stocking Rate Score (out of 4)
Habitat Quality score - out of 10
Offset Site Average
Assessment Unit Area
Total Offset Area (ha) for MNES
Size weighting
AU Weighted Habitat Quality
Site Weighted Habitat Quality

Offset - Greater Glider (Petauroides volans)

			Offset 3																							
Assessment Unit - Regional Ecosystem			AU 1 - 12.8.17									AU2 - 12.8.17														
Site Reference	Average	Maximum	Benchmark	Site 1			Site 2			Average	Maximum	Benchmark	Site 3			Site 4			Site 5			Site 6			Average	Maximum
Site Condition	Score	Score	12.8.17	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score	Score	Score	12.8.17	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score	Raw Data	% Benchm	Score	Score	Score
Large trees (euc plus non-euc)	13.33	15	24	48	200	15	26	108	15	15	15	24	52	217	15	14	58	10	14	58	10	4	17	5	10.00	15
Tree canopy height (average of emergent, canopy, sub-canopy)	5.00	5	NA	NA	NA	5	NA	NA	5	5	5	NA	NA	NA	1.5	NA	NA	5	NA	NA	5	NA	NA	5	4.13	5
Recruitment of woody perennial species in EDL	5.00	5	100	0	0	0	100	100	5	2.5	5	100	100	100	5	100	100	5	100	100	5	100	100	5	5.00	5
Tree canopy cover (average of emergent, canopy, sub-canopy)	4.00	5	NA	NA	NA	5	NA	NA	5	5	5	NA	NA	NA	5	NA	NA	4	NA	NA	4	NA	NA	4	4.25	5
Shrub canopy cover	1.00	5	5	1	20	3	0.7	14	3	3	5	5	1.7	34	3	0	0	0	0.1	2	0	0	0	0	0.75	5
Coarse woody debris	5.00	5	234	210	90	5	294	126	5	5	5	234	143	61	5	101	43	3	12	5	0	45	19	3	2.75	5
Native plant species richness - trees	5.00	5	7	0	0	0	9	129	5	2.5	5	7	6	86	2.5	4	57	2.5	3	43	2.5	3	43	2.5	2.50	5
Native plant species richness - shrubs	3.33	5	5	6	120	5	3	60	2.5	3.75	5	5	4	80	2.5	6	120	5	1	20	0	4	80	2.5	2.50	5
Native plant species richness - grasses	2.50	5	12	10	83	2.5	6	50	2.5	2.5	5	12	12	100	5	2	17	0	6	50	2.5	10	83	2.5	2.50	5
Native plant species richness - forbes	4.17	5	27	25	93	5	35	130	5	5	5	27	12	44	2.5	12	44	2.5	13	48	2.5	8	30	2.5	2.50	5
Non-native plant cover	8.33	10	0	4		10	3		10	10	10	0	2		10	2		10	1		10	1		10	10.00	10
Native grass cover	2.33	5	32	45.8	143	5	35.4	111	5	5	5	32	54.68	171	5	8.4	26	1	86.54	270	5	31.8	99	5	4.00	5
Organic litter	4.33	5	21	50.14	239	3	57.4	273	3	3	5	21	43.3	206	3	31.9	152	5	12	57	5	3	14	3	4.00	5
Quality and availability of food and foraging habitat	10.00	10	10			10			10	10	10	10			1			1			1			1	1.00	10
Quality and availability of shelter habitat	5.00	10	10			10			10	10	10	10			1			1			1			1	1.00	10
MAX Site Condition Score		*100*									*100*															*100*
Score for sampling site						83.5			91.0						67.0			55.0			53.5			52.0		
Score for assessment unit	*78.3*									*87.3*															*56.9*	
Score for the site																										
(converted to) **Site Condition Score - out of 3**	**2.35**									**2.62**															**1.70625**	
Site Context																										
Size of patch	10.00	10	**10**			10			10	10	10	**10**			10			10			10			10	10	10
Connectedness	5.00	5	**5**			4			4	4	5	**5**			4			4			4			4	4	5
Context	4.00	5	**5**			2			2	2	5	**5**			2			2			2			2	2	5
Ecological Corridors	6.00	6	**6**			6			6	6	6	**6**			6			6			6			6	6	6
Role of site location to species overall population in the state	5.00	5	**5**			4			4	4	5	**5**			4			4			4			4	4	5
Threats to the species	1.00	15	**15**			15			15	15	15	**15**			7			7			7			7	7	15
Species mobility capacity	10.00	10	**10**			10			10	10	10	**10**			4			4			4			4	4	10
MAX Site Context Score		*56*									*56*															*56*
Score for sampling site						51.0			51.0						37.0			37.0			37.0			37.0		
Score for assessment unit	*41.0*									*51.0*															*37.0*	
Score for the site																										
(converted to) **Site Context Score - out of 3**	**2.20**									**2.73**															**1.98**	

Species Stocking Rate (SSR)
Presence detected on or adjacent to site (neighbouring property with connecting habitat)
Species usage of the site (habitat type & evidenced usage)
Approximate density (per ha)
Role/importance of species population on site*

Scoring Table						Score assigned
Score	0	5		10		0
	No	Yes -		Yes - on-		
Score	0	5	10	15		10
	Not habitat	Dispersal	Foraging	Breeding		
Score	0	10	20	30		0
	0%					
Score	0	5	10		15	0
	0	5 - 15	20 - 35		40 - 45	
Total SRR score -						10
(converted to)						0.57

Scoring Table						Score assigned
Score	0	5		10		0
	No	Yes -		Yes - on-site		
Score	0	5	10	15		0
	Not habitat	Dispersal	Foraging	Breeding		
Score	0	10	20	30		0
	0%					
Score	0	5	10		15	0
	0	5 - 15	20 - 35		40 - 45	
Total SRR score						0
(converted to)						0.00

***SSR Supplementary Table**
*Key source population for breeding
*Key source population for dispersal
*Necessary for maintaining genetic diversity
*Near the limit of the species range

Scoring table			Score assigned
Score	0	10	
	No	Yes/ Possibly	
Score	0	5	
	No	Yes/ Possibly	
Score	0	15	
	No	Yes/ Possibly	
Score	0	15	
	No	Yes	
Total for SSR Supplementary Table			

Scoring table			Score assigned
Score	0	10	
	No	Yes/ Possibly	
Score	0	5	
	No	Yes/ Possibly	
Score	0	15	
	No	Yes/ Possibly	
Score	0	15	
	No	Yes	
Total for SSR Supplementary Table			

Final habitat quality score (weighted)
Site Condition score (out of 3)
Site Context Score (out of 3)
Species Stocking Rate Score (out of 4)
Habitat Quality score - out of 10
Offset Site Average
Assessment Unit Area
Total Offset Area (ha) for MNES
Size weighting
AU Weighted Habitat Quality
Site Weighted Habitat Quality

Offset - Greater Glider (Petauroides volans)

Assessment Unit - Regional Ecosystem	AU3 - 12.3.7									
Site Reference	Benchmark	Site 7			Site 8			Average	Maximum	
Site Condition	**12.3.7**	Raw Data	% Benchmark	Score	Raw Data	% Benchmark	Score	Score	Score	**Total average score**
Large trees (euc plus non-euc)	221	115.38	52	10	174.67	79	10	10	15	9.62
Tree canopy height (average of emergent, canopy, sub-canopy)	NA	NA	NA	5	NA	NA	4	4.5	5	3.72
Recruitment of woody perennial species in EDL	100	40	40	3	29	29	3	3	5	2.64
Tree canopy cover (average of emergent, canopy, sub-canopy)	NA	NA	NA	5	NA	NA	4	4.5	5	3.46
Shrub canopy cover	18	5.5	31	3	4.3	24	3	3	5	2.06
Coarse woody debris	667	120	18	3	366	55	5	4	5	3.07
Native plant species richness - trees	10	7	70	2.5	14	140	5	3.75	5	3.47
Native plant species richness - shrubs	10	5	50	2.5	9	90	5	3.75	5	2.69
Native plant species richness - grasses	7	3	43	2.5	12	171	5	3.75	5	1.69
Native plant species richness - forbes	30	11	37	2.5	16	53	2.5	2.5	5	2.77
Non-native plant cover	0	10		5	12		5	5	10	5.10
Native grass cover	1	0.32	32	1	17.92	1792	5	3	5	2.05
Organic litter	54	78.46	145	5	53.72	99	5	5	5	4.20
Quality and availability of food and foraging habitat	10			5			5	5	10	5.91
Quality and availability of shelter habitat	10			5			5	5	10	3.93
MAX Site Condition Score									*100*	
Score for sampling site				60.0			71.5			
Score for assessment unit								*65.8*		
Score for the site										
(converted to) **Site Condition Score - out of 3**								**1.97**		
Site Context										
Size of patch	**10**			10			10	10	10	10.00
Connectedness	**5**			2			2	2	5	4.55
Context	**5**			2			2	2	5	3.45
Ecological Corridors	**6**			4			4	4	6	5.82
Role of site location to species overall population in the state	**5**			5			5	5	5	4.09
Threats to the species	**15**			7			7	7	15	5.00
Species mobility capacity	**10**			10			8	9	10	7.64
MAX Site Context Score									*56*	
Score for sampling site				40.0			38.0			
Score for assessment unit								*39.0*		
Score for the site										
(converted to) **Site Context Score - out of 3**								**2.09**		

Species Stocking Rate (SSR)	Scoring Table						Score assigned
Presence detected on or adjacent to site (neighbouring property with connecting habitat)	Score	0	5		10		0
		No	Yes -		Yes - on-site		
Species usage of the site (habitat type & evidenced usage)	Score	0	5	10	15		10
		Not habitat	Dispersal	Foraging	Breeding		
Approximate density (per ha)	Score	0	10	20	30		0
		0%					
Role/importance of species population on site*	Score	0	5	10		15	0
		0	5 - 15	20 - 35		40 - 45	
	Total SRR score						10
	(converted to)						0.57

***SSR Supplementary Table**	Scoring table			Score assigned
*Key source population for breeding	Score	0	10	
		No	Yes/ Possibly	
*Key source population for dispersal	Score	0	5	
		No	Yes/ Possibly	
*Necessary for maintaining genetic diversity	Score	0	15	
		No	Yes/ Possibly	
*Near the limit of the species range	Score	0	15	
		No	Yes	
	Total for SSR Supplementary Table			

Final habitat quality score (weighted)
Site Condition score (out of 3)
Site Context Score (out of 3)
Species Stocking Rate Score (out of 4)
Habitat Quality score - out of 10
Offset Site Average
Assessment Unit Area
Total Offset Area (ha) for MNES
Size weighting
AU Weighted Habitat Quality
Site Weighted Habitat Quality

APPENDIX E. FIELD WORKS SUPPORTING EVIDENCE GEO DATABASE OUTPUT

Audale-GDB Output General observations










KARREMAN
QUARRIES


















PROTECTED OFFSET SITE
Authorised Access Only

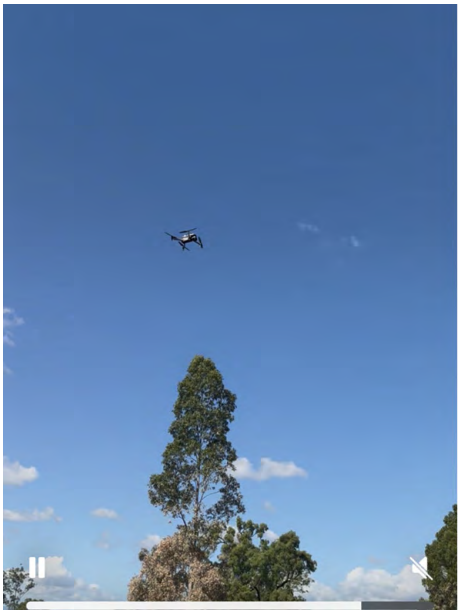

PROTECTED OFFSET SITE
Authorised Access Only


PROTECTED OFFSET SITE




PROTECTED OFFSET SITE


Executing flight route




Executing flight route
7.0X
655.7m
09.5
083:6
0288.3 ASL
928.5m
Front







































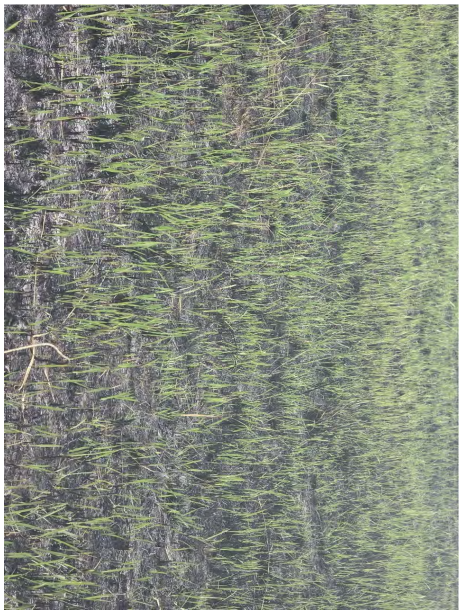
























Pineapple Farm -GDB Output General observations















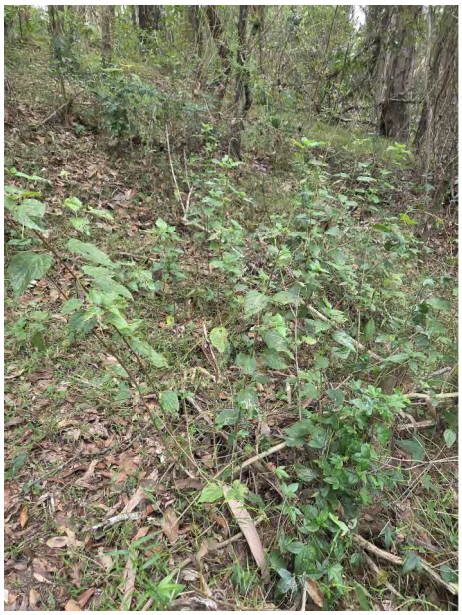




























Kubota







































































































































































































































































































































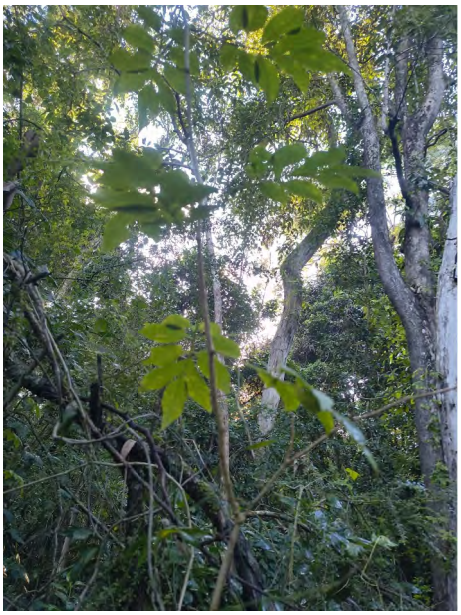



























































































































































































































































































































































University Farm -GDB Output General observations

















































Audale-GDB Output Habitat Assessment Sites

Audale Habitat Sites













































































Pineapple Farm-GDB Output Habitat Assessment Sites













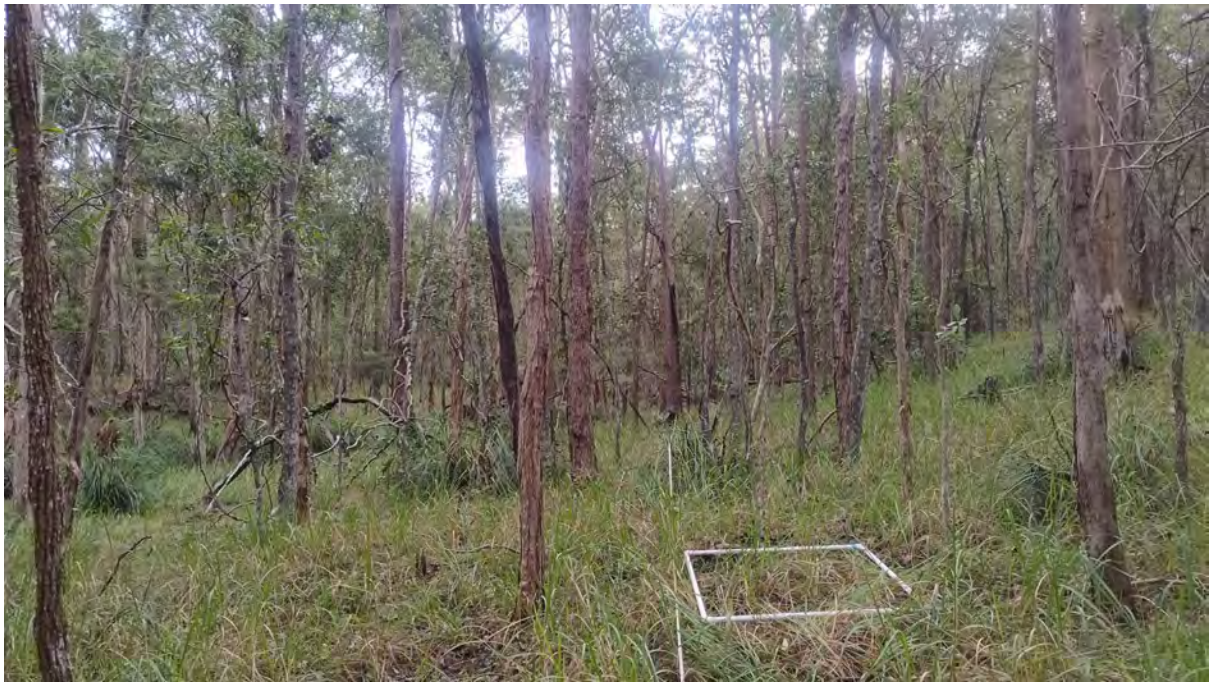








































































University Farm -GDB Output habitat Sites













University Farm Habitat Sites




W
NW
NE
E
270
300
330
30
60
90
0°N (T) 27°36'21"S, 153°14'38"E ±4m 37m
09 Jun 2026, 11:46:44


N
NE
E
SE
S
0
30
60
120
150
180
90°E (T)
27°36'21"S, 153°14'38"E ±4m
37m
09 Jun 2026, 11:46:39


E
SE
S
SW
W
90
120
150
180
210
240
270
180°S (T) 27°36'21"S, 153°14'38"E ±4m 37m
09 Jun 2026, 11:46:34


S
SW
W
150
180
240
270
211°SW (T) 27°36'21"S, 153°14'38"E ±4m 36m
09 Jun 2026, 11:46:25


NW
N
NE
300
330
0
30
60
355°N (T) 27°36'23"S, 153°14'37"E ±4m 34m
09 Jun 2026, 11:43:57


S
SW
W
NW
N
180
210
240
270
300
330
0
270°W (T)
27°36'23"S, 153°14'37"E ±4m
36m
09 Jun 2026, 11:43:07


S
SW
W
NW
N
180
210
240
270
300
330
0
270°W (T)
27°36'23"S, 153°14'37"E ±4m
36m
09 Jun 2026, 11:43:07


E
SE
S
SW
W
90
120
150
180
210
240
270
180°S (T)
27°36'23"S, 153°14'37"E ±4m
35m
09 Jun 2026, 11:43:27


N
NE
E
SE
S
0
30
60
90
120
150
180
90°E (T)
27°36'23"S, 153°14'37"E ±4m
35m
09 Jun 2026, 11:43:20


SE
S
SW
150
180
210
240
195°S (T)
27°36'23"S, 153°14'37"E ±4m
34m


South
180°S (T)
27°36'24"S, 153°14'36"E ±4m
38m
09 Jun 2026, 11:37:28































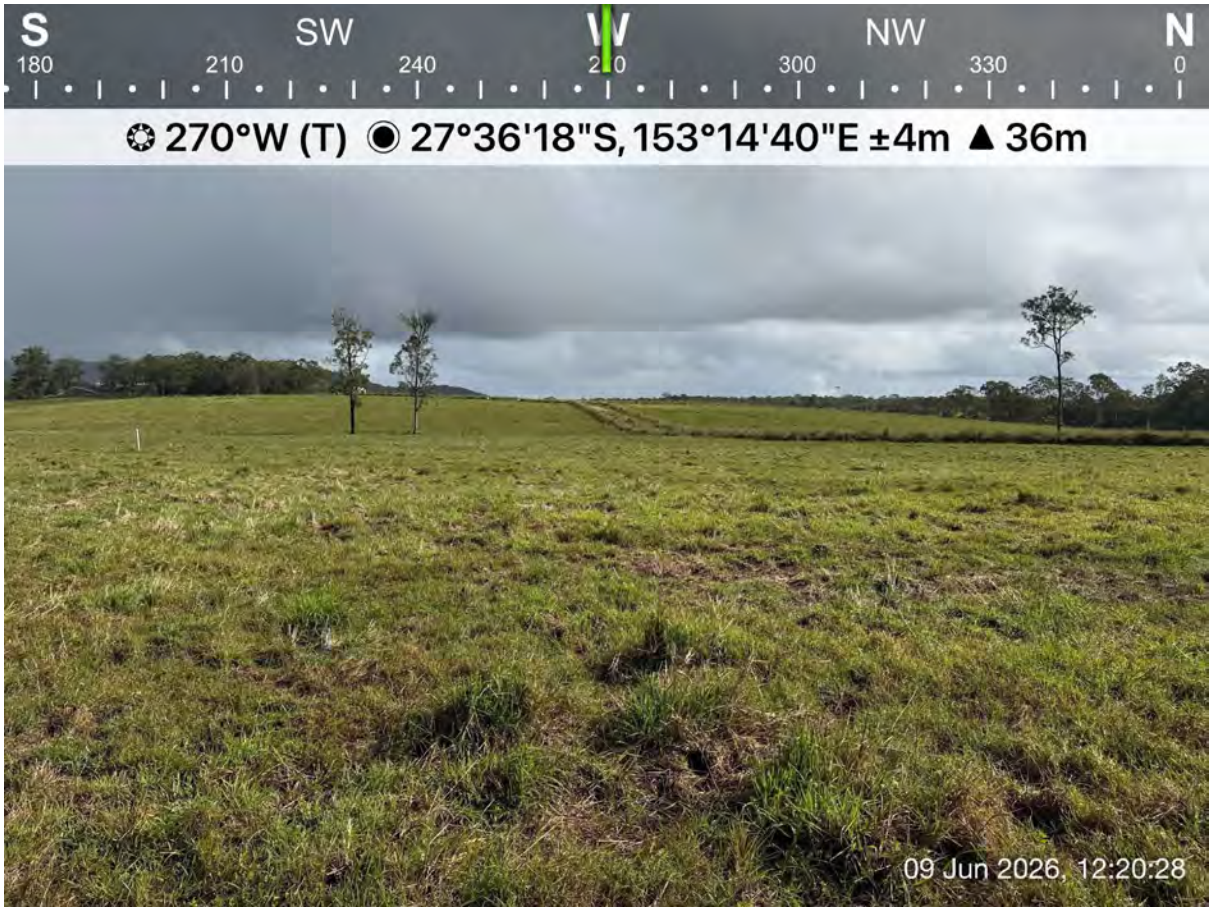





N
NE
E
SE
S
0
30
60
120
150
180
90°E (T)
27°36'16"S, 153°14'41"E ±4m
39m
09 Jun 2026, 12:32:20


N
NE
E
SE
S
0
30
60
90
120
150
180
90°E (T)
27°36'18"S, 153°14'40"E ±4m
36m
09 Jun 2026, 12:20:42


W
NW
N
NE
E
270
300
330
0
30
60
90
1°N (T)
27°36'18"S, 153°14'40"E ±4m
36m
09 Jun 2026, 12:20:34


S
SW
W
NW
N
180
210
240
270
300
330
0
270°W (T)
27°36'18"S, 153°14'40"E ±4m
36m
09 Jun 2026, 12:20:28


E
SE
S
SW
W
90
120
150
210
240
270
180°S (T)
27°36'18"S, 153°14'40"E ±4m
37m
09 Jun 2026, 12:20:23


SE
S
SW
W
150
180
210
240
270
205°SW (T)
27°36'18"S, 153°14'40"E ±4m
36m























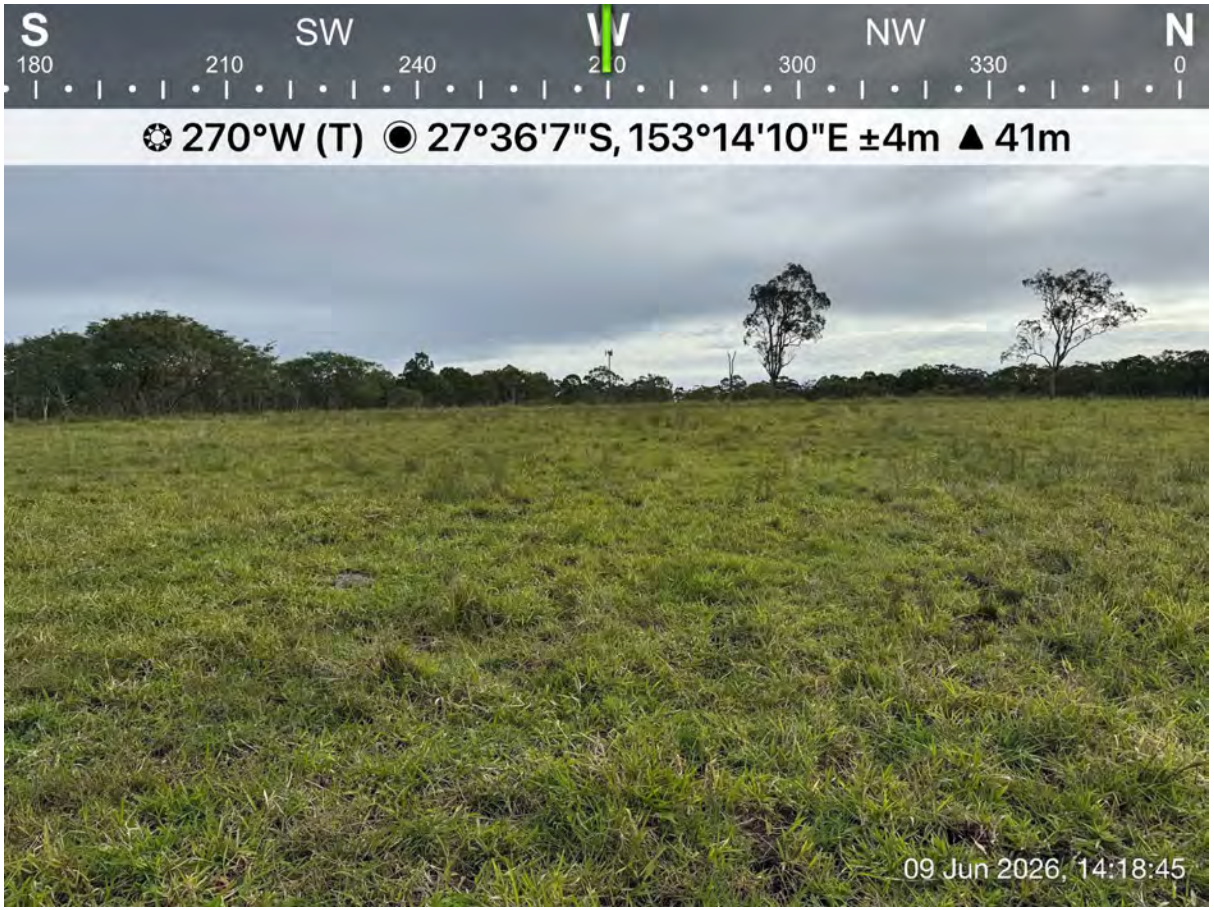

SW
W
NW
210
240
300
330
270°W (T)
27°36'15"S, 153°14'44"E ±4m
51m


NW
N
NE
300
330
0
30
60
1°N (T)
27°36'14"S, 153°14'43"E ±4m
49m


NE
E
SE
30
60
120
150
90°E (T)
27°36'14"S, 153°14'43"E ±4m
49m


SE
S
SW
120
150
180
210
240
181°S (T)
27°36'14"S, 153°14'43"E ±4m
49m


SW
W
NW
210
240
300
330
271°W (T)
27°36'14"S, 153°14'43"E ±4m
49m


S
SW
W
NW
N
180
210
240
270
300
330
0
270°W (T)
27°36'7"S, 153°14'10"E ±4m
41m
09 Jun 2026, 14:18:45


SE
S
SW
120
150
180
210
240
183°S (T)
27°36'9"S, 153°14'10"E ±4m
41m


N
NE
SE
S
0
30
60
120
150
180
90°E (T)
27°36'9"S, 153°14'10"E ±4m
41m
09 Jun 2026, 14:08:14


E
SE
S
SW
W
90
120
150
180
210
240
270
182°S (T)
27°36'9"S, 153°14'10"E ±4m
41m
09 Jun 2026, 14:08:07


S
SW
W
NW
N
180
210
240
270
300
330
0
272°W (T)
27°36'9"S, 153°14'10"E ±4m
41m
09 Jun 2026, 14:08:02


W
NW
N
NE
E
270
300
330
0
30
60
90
359°N (T) 27°36'9"S, 153°14'10"E ±4m 40m
09 Jun 2026, 14:07:57















APPENDIX F. PEST ANIMAL MONITORING IMAGES

Audale Pest Animal Monitoring Images


















































































































































































Pineapple Farm Pest Animal Monitoring Images


2026/04/01 05:14:06 016℃ 060℉


2026/04/05 22:04:21 017℃ 062℉


2026/04/07 04:23:19 012℃ 053℉


2026/03/28 04:38:20 011℃ 051℉


2026/04/05 03:05:52 018℃ 064℉


2026/04/06 22:15:46 015℃ 059℉




2026/04/01 18:17:42 022℃ 071℉


2026/04/06 19:17:36 018℃ 064℉


















Pineapple Farm Pest Animal Monitoring Images











