Annual Compliance Report

22 September 2021 to 21 September 2022

EPBC 2019/8516
Residential Development, Collingwood Park, Ipswich, Queensland

Prepared for HB QLD Pty Ltd
12 December 2022

9641 E

Document Control

Document: Annual Compliance Report (Issue A), prepared by Saunders Havill Group for HB QLD Pty Limited, dated 09 December 2022.

Document Issue

Issue	Date	Prepared By	Checked By
A	12/12/2022	HS	JG

Prepared by
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1. Introduction

Saunders Havill Group (SHG) was engaged by HB QLD Pty Ltd to prepare this Annual Compliance Report for the Residential Development located at Collingwood Park, Ipswich, Queensland. This report provides an assessment of project compliance with the approval granted under the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) (ref EPBC 2019/8539) and is specifically required by condition 11 of the approval granted on 06 September 2021 (refer **Appendix A**).

The project area covers approximately 56.20 hectares (ha) and is located 6 kilometre (km) south of the Ipswich Town Centre (refer to project context map at **Figure 1**). Within the project area, an impact to 56.20 ha of Matters of National Environmental Significance (MNES) habitat being koala and grey-headed flying-fox (GHFF) habitat was permitted under the approval conditions.

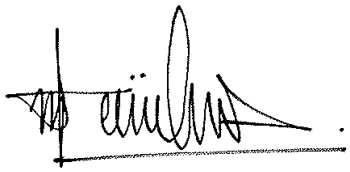
1.1. Approval details

Commonwealth reference	EPBC 2019/8516
Approval holder	HB QLD Pty Ltd
ABN	26 638 077 415
Approval date	06 September 2021
Expiry date of approval	31 December 2051
Approved action	Residential development and associated infrastructure located at Collingwood Park, Ipswich, Queensland.
Controlling provision	Approved – listed threatened species and communities (sections 18 & 18A)
Project commencement	22 September 2021
Reporting period	22 September 2021 – 21 September 2022 (Year 1)
Address	Collingwood Park, Ipswich, Queensland
Local government area	Ipswich City Council

Figure 1: Project Context

1.2. Declaration of accuracy

In making this declaration, I am aware that sections 490 and 491 of the 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	Murray Saunders
Position	Director
Organisation	Saunders Havill Group ABN 24 144 972 949
Date	12 December 2022

2. Description of activities – approval area

Construction activities at Collingwood Park, Ipswich, Queensland, known as 'The Pocket' commenced on 22 September 2021 with a high level of diligence afforded by the Proponent to minimise the likelihood that koalas were harmed by the action. Prior to and during clearing, an appropriately qualified fauna spotter catcher (FSC) was engaged to identify the presence of any koalas within the works area. The clearing was undertaken in a two-stage manner which involves the clearing of the midstory and groundcover vegetation 24 hours prior to clearing the habitat features on-site. This process allows arboreal fauna to disperse over night after the initial disturbance and results in fewer animal interactions. Refer to **Appendix B** for the pre-clearing and post clearing reports prepared by Queensland Fauna Consultancy who were the engaged FSC.

During Year 1, a total of 14.89 ha was cleared. The total clearing has not exceeded the approved limit of 24.89 ha. Refer **Figure 2** for most recent aerial of the action area and the current clearing extents. Following the completion of clearing and prior to the commencement of construction, a temporary koala exclusion fence was erected around the construction works area (refer to **Photo 1**). Additionally, a daily fauna exclusion fence check is undertaken by the engaged civil contractor to ensure that no fauna are trapped within the construction area.

Within the approval site, activities which have occurred in Year 1 include:

- Road construction
- Landscape works along new roads and entry areas
- Soil stabilisation and seeding
- Erosion and sediment control devices (fencing / basins / drainage swales)
- Continued staged civil construction works of roads and local streets
- Allotment benching and sealing

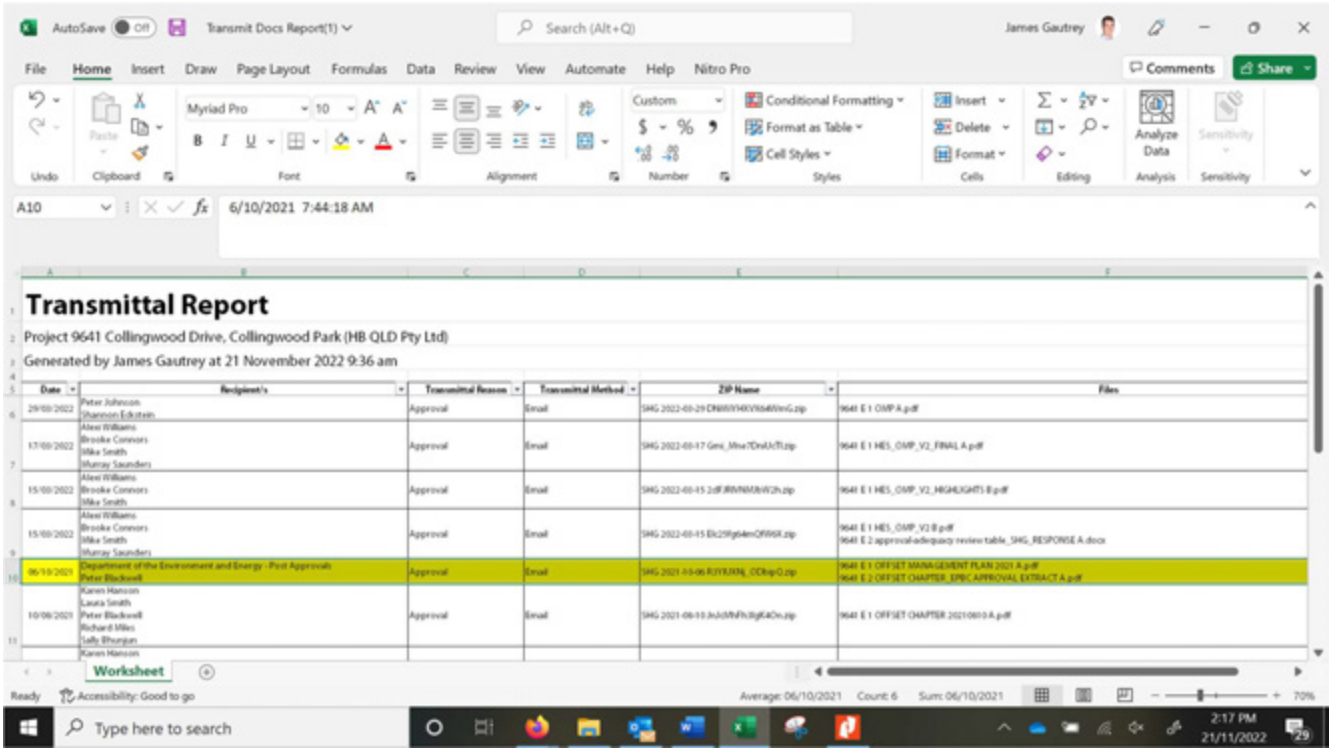
Photo 1: Evidence of temporary koala exclusion fencing erected at the impact site.

Figure 2: Site Aerial & Ipswich City Council Vegetation Clearing Phases

3. Description of activities – offset area

During Year 1 of the approval, the offset provider has lodged and received approval for their Offset Management Plan (OMP) (refer to **Appendix C** for the OMP approval notification). In accordance with the EPBC conditions of approval, and in particular, Condition 5, the OMP was submitted to the Department on 6 October 2021 (refer to **Insert 1**). The OMP was approved by the Department on 25 March 2022. As such, the annual reporting anniversary for the offset area is 25 March. The first Offset Area Annual Report (OAAR) is due on 25 March 2023.

Insert 1: Confirmation of OMP Lodgement to the Department (in accordance with Condition 5)



In addition to receiving approval for their OMP, the offset provider has commenced the following activities:

- Legally securing the offset area via Voluntary Declaration under the *Vegetation Management Act 1999* on 9 September 2021.
- Commencement of pest management and seasonal abundance surveys. This has included:
    - Two (2) overnight targeted shooting events.
    - Targeted wild dog baiting program using restricted S7 poisons supplied and implemented in collaboration with the Scenic Rim Regional Council (SRRC).
- Commencement of weed management with a focus on the removal of Lantana, which has been successfully controlled over the foothills and ridges yet remains a challenge within the well-watered drainage lines. Safe machine access to these drainage lines has been intermittent because of the rain and time required to dry out.

- Preparation of the site for the implementation of assisted rehabilitation and trial infill planting areas.
- External fence checks and rectification where necessary.
- Notification of adjoining landholders of the offset area, its intent and purposes.

The approved OMP is published on the proponent's website at the following URL: https://thepocketlife.com.au/wp-content/uploads/2022/11/9641-E-1-OMP-A.pdf

4. EPBC approval conditions compliance table

The EPBC approval conditions for the Collingwood Park, Ipswich, Queensland residential development are replicated in **Table 1** with a designation on compliance or non-compliance if the condition was applicable during the reporting period, and evidence and comments as necessary. A copy of the EPBC approval and conditions is provided in **Appendix A**.

Table 1: EPBC approval conditions compliance table

Condition number / reference	Condition	Compliant / Non-compliant / Not applicable	Evidence / comments
Part A – Conditions specific to the action			
1	The approval holder: a) Must not clear more than 24.89 hectares of Koala habitat and Grey-headed Flying-fox foraging habitat within the development area; b) Must retain 2.21 hectares Koala habitat and Grey-headed Flying-fox foraging habitat in Goodna Creek riparian buffer; and c) Must not clear outside of the development area.	Compliant	As per Figure 2, the approval holder has cleared 14.89 ha of vegetation during Year 1. The approval holder has retained the Goodna Creek riparian buffer and has not cleared outside of the development area.
2	To minimise the risk of injury or death to Koalas and Grey-headed Flying-fox within the development area during clearing and construction, the approval holder must: a) ensure that a qualified fauna spotter catcher is present during all clearing and is given sufficient authority to guide all clearance to ensure that Koalas and Grey-headed Flying-foxes have safely	Compliant	As per **Appendix B,** a suitably qualified Fauna Spotter Catcher was present during all clearing activities. As demonstrated in **Photo 1**, a temporary koala exclusion fence was erected around all construction works areas prior to the commencement of construction.

Condition number / reference	Condition	Compliant / Non-compliant / Not applicable	Evidence / comments
	moved out of the development area identified for clearing, of their own volition, before Koala habitat and Grey-headed Flying-fox foraging habitat is cleared; and b) install temporary Koala exclusion fencing around all construction works. Temporary Koala exclusion fencing must be installed immediately after any clearing and prior to the commencement of any construction so as to prevent any Koala entering during construction. Temporary Koala exclusion fencing must remain in place around any construction area until all construction activities within the fenced area are completed.		
3	For the ongoing protection of the Koala population at the development area, the approval holder must install and maintain for the duration of the approval, fauna movement solutions on all roads that run adjacent to Goodna Creek riparian buffer, including Koala awareness signage, speed management measures and fauna friendly crossings. The approval holder must ensure a maximum speed limit of no greater than 40 km / hour is enforced during the construction phase in the development area at all times until a government entity assumes control of all roads in the development area.	Not applicable	During Year 1 the proposed action has not advanced to the point at which it adjoins the Goodna Creek riparian buffer.
4	To compensate for the clearing of 24.89 hectares of Koala habitat and Grey-headed Flying-fox foraging habitat, the approval holder must:	Compliant	The offset area was legally secured on 9 September 2021. The Department was notified via email with an attachment of the offset area shapefiles on 10 September 2021.

Condition number / reference	Condition	Compliant / Non-compliant / Not applicable	Evidence / comments
	a) Legally secure at least 34.7 ha of land at the Scenic Ridge Offset Management Zone 1 area prior to the commencement of the action; and b) within 20 business days of legally securing the Scenic Ridge Offset Management Zone 1 area, provide the Department with written evidence demonstrating that the Scenic Ridge Offset Management Zone 1 area has been legally secured (e.g. legal security documentation), including shapefiles and the offset attributes.		
5	The approval holder must, within one month of this approval decision, submit an Offset Management Plan for Scenic Ridge Offset Management Zone 1 for approval by the Minister. The approval holder must not commence works within the Phase 2 Area until the Offset Management Plan for Scenic Ridge Offset Management Zone 1 has been approved by the Minister in writing. The approval holder must implement the Offset Management Plan approved by the Minister for Scenic Ridge Offset Management Zone 1.	Compliant	As per **Insert 1**, an OMP was submitted to the Department on 6 October 2021.
6	The Offset Management Plan for Scenic Ridge Offset Management Zone 1 must be consistent with the Department's Environmental Management Plan Guidelines, and must include the following: a) A summary of the residual impacts to Koala habitat and Grey-headed Flying-fox foraging habitat that will be compensated for by the offset. This summary must include the area(s) of habitat for protected	Compliant	The OMP was assessed and approved by the Department on 25 March 2022. The OMP was deemed to be consistent with the Department's Environmental Management Plan Guidelines and approved for implementation.

Condition number / reference	Condition	Compliant / Non-compliant / Not applicable	Evidence / comments
	matters and its condition and quality at all impact sites which the particular offset is to address. b) Detailed survey methodologies for determining baselines on the proposed offset for feral animal abundance and extent of weed cover, modified habitat quality assessment for Koala, and a Grey-headed Flying-fox habitat assessment; and detailed methodologies for specifying baseline levels based on the survey data. c) The environmental objectives, relevant to Koala and Grey-headed Flying-fox, and a reference to the EPBC Act approval conditions and other applicable conditions of approval (including State approval conditions), if any, to which the Offset Management Plan refers. d) A table of commitments made in the Offset Management Plan to achieve the environmental objectives, and a reference to where the commitments are detailed in the Offset Management Plan. e) Reporting and review mechanisms, and documentation standards to demonstrate compliance with management and environmental commitments in the Offset Management Plan. f) An assessment of risks to achieving environmental objectives and risk management strategies that will be applied.		

Condition number / reference	Condition	Compliant / Non-compliant / Not applicable	Evidence / comments
	g) Impact avoidance, mitigation and/or repair measures, and their timing. h) A monitoring program, which must include: i. measurable performance indicators to monitor attainment of the offset completion criteria; ii. trigger values for corrective actions; and iii. the timing and frequency of monitoring to detect trigger values and changes in the performance indicators. i) Proposed corrective actions, if trigger values are reached or performance indicators not attained.		
Part B – Standard administrative conditions			
7	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 commencement on 22 September 2021. The Department was notified via email on 28 September 2021 of the formal commencement of the action.
8	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.	Not applicable	-
9	The approval holder must maintain accurate and complete compliance records.	Compliant	This Annual Compliance Report is the first report produced for this action. This report will be available online via the approval holders website.
10	If the Department makes a request in writing, the approval holder must provide electronic copies of compliance records	Not applicable	-

Condition number / reference	Condition	Compliant / Non-compliant / Not applicable	Evidence / comments
	to the Department within the timeframe specified in the request.		
11	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; and 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.	Compliant	This Annual Compliance Report is the first report produced for this action. This report will be available online via the approval holders website. The Department will be notified following publication.
12	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	Not applicable	-

Condition number / reference	Condition	Compliant / Non-compliant / Not applicable	Evidence / comments
	later than 2 business days after 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; and 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.		
13	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; and c) the method and timing of any remedial action that will be undertaken by the approval holder.	Not applicable	-
14	The approval holder must ensure that independent audits of compliance with the conditions are conducted for the three-year period from the date of this approval and subsequently as requested in writing by the Minister.	Not applicable	-

Condition number / reference	Condition	Compliant / Non-compliant / Not applicable	Evidence / comments
15	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 independent auditor and the audit criteria have been approved in writing by the Department; and c) submit an audit report to the Department within the timeframe specified in the approved audit criteria.	Not applicable	-
16	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 applicable	-
17	The approval holder must: a) submit plans electronically to the Department; b) unless otherwise agreed to in writing by the Minister, publish each plan on the website within 20 business days of the date that the plan was approved by the Minister in writing; c) exclude or redact sensitive ecological data from plans that are to be published on the website or provided to a member of the public; and d) keep plans published on the website until the end date of this approval.	Compliant	All plans, including the OMP have been lodged electronically to the Department.

Condition number / reference	Condition	Compliant / Non-compliant / Not applicable	Evidence / comments
18	Within 30 business days after the completion of the action, the approval holder must notify the Department in writing and provide completion data.	Not applicable	-

5. Appendices

Appendix A

EPBC approval and conditions granted 06 September 2021

Appendix B

Pre-clearing and Post-clearing Reports

Appendix C

OMP Approval Notification

Appendix A

EPBC approval and conditions granted

06 September 2021

Australian Government
Department of Agriculture, Water and the Environment

APPROVAL

Residential development, Collingwood Park, Ipswich, Queensland, (EPBC 2019/8516)

This decision is made under sections 130(1) and 133(1) of the *Environment Protection and Biodiversity Conservation Act 1999 (Cth).* Note that section 134(1A) of the **EPBC Act** applies to this approval, which provides in general terms that if the approval holder authorises another person to undertake any part of the action, the approval holder must take all reasonable steps to ensure that the other person is informed of any conditions attached to this approval, and that the other person complies with any such condition.

Details

Person to whom the approval is granted (approval holder)	Weiya Development Pty Ltd
ACN or ABN of approval holder	ABN 31 161 405 732
Action	To construct a new residential development at Lot 801 on SP157194, Lot 1 on RP22251 and Lot 2 on RP22251, Collingwood Park 186, 218 and Lot 2 Collingwood Drive, Collingwood Park, Ipswich, Queensland.

Approval decision

My decision on whether or not to approve the taking of the action for the purposes of the controlling provision for the action is as follows.

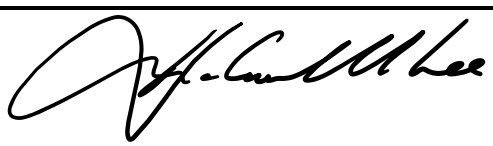
Controlling Provision

Listed Threatened Species and Communities	
Section 18	Approve
Section 18A	Approve

Period for which the approval has effect

This approval has effect until 31 December 2051.

Decision-maker

Name and position	Andrew McNee Assistant Secretary Environmental Assessments Queensland and Sea Dumping Branch
Signature	
Date of decision	6 September 2021

Conditions of approval

This approval is subject to the conditions under the EPBC Act as set out in ANNEXURE A.

ANNEXURE A – CONDITIONS OF APPROVAL

Part A – Conditions specific to the action

1. The approval holder:

   a) must not **clear** more than 24.89 hectares of **Koala habitat** and **Grey-headed Flying-fox foraging habitat** within the **development area**;

   b) must retain the 2.21 hectares **Koala habitat** and **Grey-headed Flying-fox foraging habitat** in **Goodna Creek riparian buffer**; and

   c) must not **clear** outside of the **development area**.

2. To minimise the risk of injury or death to **Koalas** and **Grey-headed Flying-fox** within the **development area** during **clearing** and **construction**, the approval holder must:

   a) ensure that a qualified **fauna spotter catcher** is present during all **clearing** and is given sufficient authority to guide all **clearance** to ensure that **Koalas** and **Grey-headed Flying-foxes** have safely moved out of the **development area** identified for **clearing**, of their own volition, before **Koala habitat** and **Grey-headed Flying-fox foraging habitat** is **cleared**; and

   b) install temporary **Koala exclusion fencing** around all **construction** works. Temporary **Koala exclusion fencing** must be installed immediately after any **clearing** and prior to the commencement of any **construction** so as to prevent any **Koala** entering during **construction**. Temporary **Koala exclusion fencing** must remain in place around any **construction** area until all **construction** activities within the fenced area are completed.

3. For the ongoing protection of the **Koala** population at the **development area**, the approval holder must install and maintain for the duration of the approval, **fauna movement solutions** on all roads that run adjacent to **Goodna Creek riparian buffer**, including **Koala awareness signage,** speed management measures and fauna friendly crossings. The approval holder must ensure a maximum speed limit of no greater than 40 km / hour is enforced during the **construction** phase in the **development area** at all times until a government entity assumes control of all roads in the **development area**.

4. To compensate for the **clearing** of 24.89 hectares of **Koala habitat** and **Grey-headed Flying-fox foraging habitat,** the approval holder must:

   a) **Legally secure** at least 34.7 ha of land at the **Scenic Ridge Offset Management Zone 1** area prior to the **commencement of the action**; and

   b) within 20 **business days** of **legally securing** the **Scenic Ridge Offset Management Zone 1** area, provide the **Department** with written evidence demonstrating that the **Scenic Ridge Offset Management Zone 1** area has been **legally secured** (e.g. **legal security documentation**), including **shapefiles** and the **offset attributes**.

5. The approval holder must, within one month of this approval decision, submit an Offset Management Plan for **Scenic Ridge Offset Management Zone 1** for approval by the **Minister**. The approval holder must not **commence works** within the **Phase 2 Area** until the Offset Management Plan for **Scenic Ridge Offset Management Zone 1** has been approved by the **Minister** in writing. The approval holder must implement the Offset Management Plan approved by the **Minister** for **Scenic Ridge Offset Management Zone 1**.

6. The Offset Management Plan for **Scenic Ridge Offset Management Zone 1** must be consistent with the **Department's Environmental Management Plan Guidelines**, and must include the following:

   a) A summary of the residual impacts to **Koala habitat** and **Grey-headed Flying-fox foraging habitat** that will be compensated for by the offset. This summary must include the area(s) of habitat for **protected matters** and its condition and quality at all impact sites which the particular offset is to address.

   b) Detailed survey methodologies for determining baselines on the proposed offset for feral animal abundance and extent of weed cover, modified habitat quality assessment for **Koala,** and a **Grey-headed Flying-fox** habitat assessment; and detailed methodologies for specifying baseline levels based on the survey data.

   c) The environmental objectives, relevant to **Koala** and **Grey-headed Flying-fox,** and a reference to the **EPBC Act** approval conditions and other applicable conditions of approval (including State approval conditions), if any, to which the Offset Management Plan refers.

   d) A table of commitments made in the Offset Management Plan to achieve the environmental objectives, and a reference to where the commitments are detailed in the Offset Management Plan.

   e) Reporting and review mechanisms, and documentation standards to demonstrate compliance with management and environmental commitments in the Offset Management Plan.

   f) An assessment of risks to achieving environmental objectives and risk management strategies that will be applied.

   g) Impact avoidance, mitigation and/or repair measures, and their timing.

   h) A monitoring program, which must include:

      i. measurable performance indicators to monitor attainment of the offset completion criteria;

      ii. trigger values for corrective actions; and

      iii. the timing and frequency of monitoring to detect trigger values and changes in the performance indicators.

   i) Proposed corrective actions, if trigger values are reached or performance indicators not attained.

Part B – Standard administrative conditions

Notification of date of commencement of the action

7. 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**.

8. 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**.

Compliance records

9. The approval holder must maintain accurate and complete **compliance records**.

10. 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.

Annual compliance reporting

11. 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;** and

    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.

Reporting non-compliance

12. 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 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; and

    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.

13. 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; and

    c. the method and timing of any remedial action that will be undertaken by the approval holder.

Independent audit

14. The approval holder must ensure that **independent audits** of compliance with the conditions are conducted for the three-year period from the date of this approval and subsequently as requested in writing by the **Minister**.

15. 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 independent auditor and the audit criteria have been approved in writing by the **Department**; and
    c. submit an audit report to the **Department** within the timeframe specified in the approved audit criteria.
16. 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.

Submission and publication of plans

17. The approval holder must:
    a. submit **plans** electronically to the **Department**;
    b. unless otherwise agreed to in writing by the **Minister**, publish each **plan** on the **website** within 20 **business days** of the date that the **plan** was approved by the **Minister** in writing;
    c. exclude or redact **sensitive ecological data** from **plans** that are to be published on the **website** or provided to a member of the public; and
    d. keep **plans** published on the **website** until the end date of this approval.

Completion of the action

18. Within 30 **business days** after the **completion of the action**, the approval holder must notify the **Department** in writing and provide **completion data**.

Part C - Definitions

In these conditions, except where contrary intention is expressed, the following definitions are used:

Business day means a day that is not a Saturday, a Sunday or a public holiday in the state or territory of the action.

Clear, Cleared, Clearing, Clearance means the cutting down, felling, thinning, logging, removing, killing, destroying, poisoning, ringbarking, uprooting or burning of vegetation (but not including weeds – see the *Australian weeds strategy 2017 to 2027* for further guidance).

Commence the action / Commencement of the action means the first instance of any specified activity associated with the action including **clearing** and **construction**. **Commencement of the action** does not include minor physical disturbance necessary to:

i. undertake pre-clearance surveys or monitoring programs
ii. install signage and /or temporary fencing to prevent unapproved use of the project area
iii. protect environmental and property assets from fire, weeds and pests, including installation of temporary fencing, and use of existing surface access tracks
iv. install temporary site facilities for persons undertaking pre-commencement activities so long as these are located where they have no impact on the **protected matters.**

Commence works means the first instance of any specified activity associated with the action including breaking ground, clearing and construction.

Completion data means an environmental report and spatial data clearly detailing how the conditions of this approval have been met. The Department's preferred spatial data format is **shapefile**.

Completion of the action means the date on which the **Minister** advises in writing (in response to a request from the approval holder) that the approval holder is not required to submit any further compliance reports.

Compliance records means all documentation or other material in whatever form required to demonstrate compliance with the conditions of approval in the approval holder's possession or that are within the approval holder's power to obtain lawfully.

Compliance reports means written reports:

i. providing accurate and complete details of compliance, **incidents**, and non-compliance with the conditions and the **plans**

ii. consistent with the **Department's** *Annual Compliance Report Guidelines* (2014)

iii. include a **shapefile** of any clearance of any **protected matters**, or their habitat, undertaken within the relevant 12 month period

iv. annexing a schedule of all **plans** prepared and in existence in relation to the conditions during the relevant 12 month period.

Construction means the erection of a building or structure that is or is to be fixed to the ground and wholly or partially fabricated on-site; the alteration, maintenance, repair or demolition of any building or structure; preliminary site preparation work which involves breaking of the ground (including pile driving); the laying of pipes and other prefabricated materials in the ground, and any associated excavation work.

Department means the Australian Government agency responsible for administering the **EPBC Act**.

Development area means the area enclosed by the bold black line designated as the 'Proposed Action Area' on Attachment B, and as per the coordinates in Attachment E, comprising Lot 801 on SP157194, Lot 1 on RP22251, Lot 2 on RP22251 and 186, 218 and Lot 2 Collingwood Drive, Collingwood Park, Queensland.

EPBC Act means the *Environment Protection and Biodiversity Conservation Act 1999* (Cth).

Environmental Management Plan Guidelines means *Environmental Management Guideline. Commonwealth of Australia 2014*.

Fauna movement solutions means, but is not limited to, **Koala awareness signage**, speed management measures and fauna friendly crossings, such as a poles, canopy bridges and culverts, undertaken as described in the Queensland Department of Transport and Main Roads (2010) Fauna Sensitive Road Design Guidelines Volume 2.

Fauna spotter catcher means a person licenced under the Queensland *Nature Conservation Act 1992* to detect, capture, care for, assess, and release wildlife disturbed by **clearance** activities who has at least three years experience undertaking this work with **Koalas**.

Goodna Creek riparian buffer means the area adjacent to Goodna Creek shaded green and designated 'Habitat retention area' on the map at Attachment A and bounded by a line joining the coordinates designated 'Habitat retention area' in Attachment E to this decision.

Grey-headed Flying-fox(es) means *Pteropus poliocephalus* - Grey-headed Flying-fox listed as threatened species under the **EPBC Act**.

Grey-headed Flying-fox foraging habitat means areas of vegetation that contain **Grey-headed Flying-fox** foraging trees such as Eucalyptus, Angophora and Corymbia species, including winter and spring flowering species.

Incident means any event which has the potential to do, or does, impact on one or more **protected matters** other than as authorised by this approval.

Independent audit means an audit conducted by an independent and **suitably qualified person** as detailed in the *Environment Protection and Biodiversity Conservation Act 1999 Independent Audit and Audit Report Guidelines, Commonwealth of Australia 2019.*

Koala(s) means the Koala (combined populations of Queensland, New South Wales and the Australian Capital Territory) *Phascolarctos cinereus* (combined populations of Queensland, New South Wales and the Australian Capital Territory) listed as a threatened species under the **EPBC Act**.

Koala awareness signage means prominent, legible, clearly understood signage for the purpose of alerting drivers that **Koalas** may be in the vicinity.

Koala exclusion fencing means fencing which prevents the movement of **Koalas**. Suitable examples of **Koala exclusion fencing** design are provided in *Koala-sensitive Koala-sensitive Design Guideline: A guide to koala sensitive designed measures for planning and development activities, version 2.0 (Queensland Department of Environment and Science, 2020)*.

Koala habitat means any forest or woodland containing species that are known Koala food trees, or shrubland with emergent food trees (as defined in the **Koala referral guidelines**). Koala food trees means a species of trees of the genus *Angophora*, *Corymbia*, *Eucalyptus*, *Lophostemon* or *Melaleuca*, with a height of more than 4 metres or with a trunk circumference more than 31.5 centimetres at 1.3 metres above the ground, the leaves of which are known to be consumed by the **Koala**.

Koala referral guidelines means the **Department**'s *EPBC Act referral guidelines for the vulnerable koala (combined population of Queensland, New South Wales and the Australian Capital Territory*), Department of the Environment, 2014.

Legally secure (d/ing) means to provide ongoing conservation protection on the title of the land, under an enduring protection mechanism, such as voluntary declaration under the *Vegetation Management Act 1999* (Qld) or another enduring protection mechanism agreed to in writing by the **Department**.

Legal security documentation means documentation associated with legally securing offset site(s), including (but not limited to) management plans.

Minister means the Australian Government Minister administering the **EPBC Act** including any delegate thereof.

Offset attributes means an 'xls' file capturing relevant attributes of the offset area, including:

a) **EPBC Act** reference number;

b) physical address;

c) coordinates of the boundary points in decimal degrees;

d) **protected matters** that the offset compensates for;

e) any additional **EPBC Act** listed threatened species and communities that are benefitting from the offset; and

f) size in hectares.

Phase 2 Area means the entire area shaded blue designated 'Phase 2 Area' in the map at Attachment D.

Plan(s) means any of the documents required to be prepared, approved by the **Minister**, implemented by the approval holder and/or published on the **website** in accordance with these conditions (includes action management plans and/or strategies).

Protected matter(s) means a matter protected under a controlling provision in Part 3 of the **EPBC Act** for which this approval has effect.

Scenic Ridge Offset Management Zone 1 is located on Lot 15 on W311675, on Geiger Road, Allandale, Queensland. Scenic Ridge Offset Management Zone 1 covers the area located within the red line designated as 'Offset management zone 1 (34.7 ha)' on the map at Attachment C.

Sensitive ecological data means data as defined in the Australian Government Department of the Environment (2016) *Sensitive Ecological Data – Access and Management Policy V1.0.*

Shapefile(s) means location and attribute information of the action provided in an Esri shapefile format. Shapefiles must contain '.shp', '.shx', '.dbf' files and a '.prj' file that specifies the projection/geographic coordinate system used. Shapefiles must also include an '.xml' metadata file that describes the shapefile for discovery and identification purposes**.**

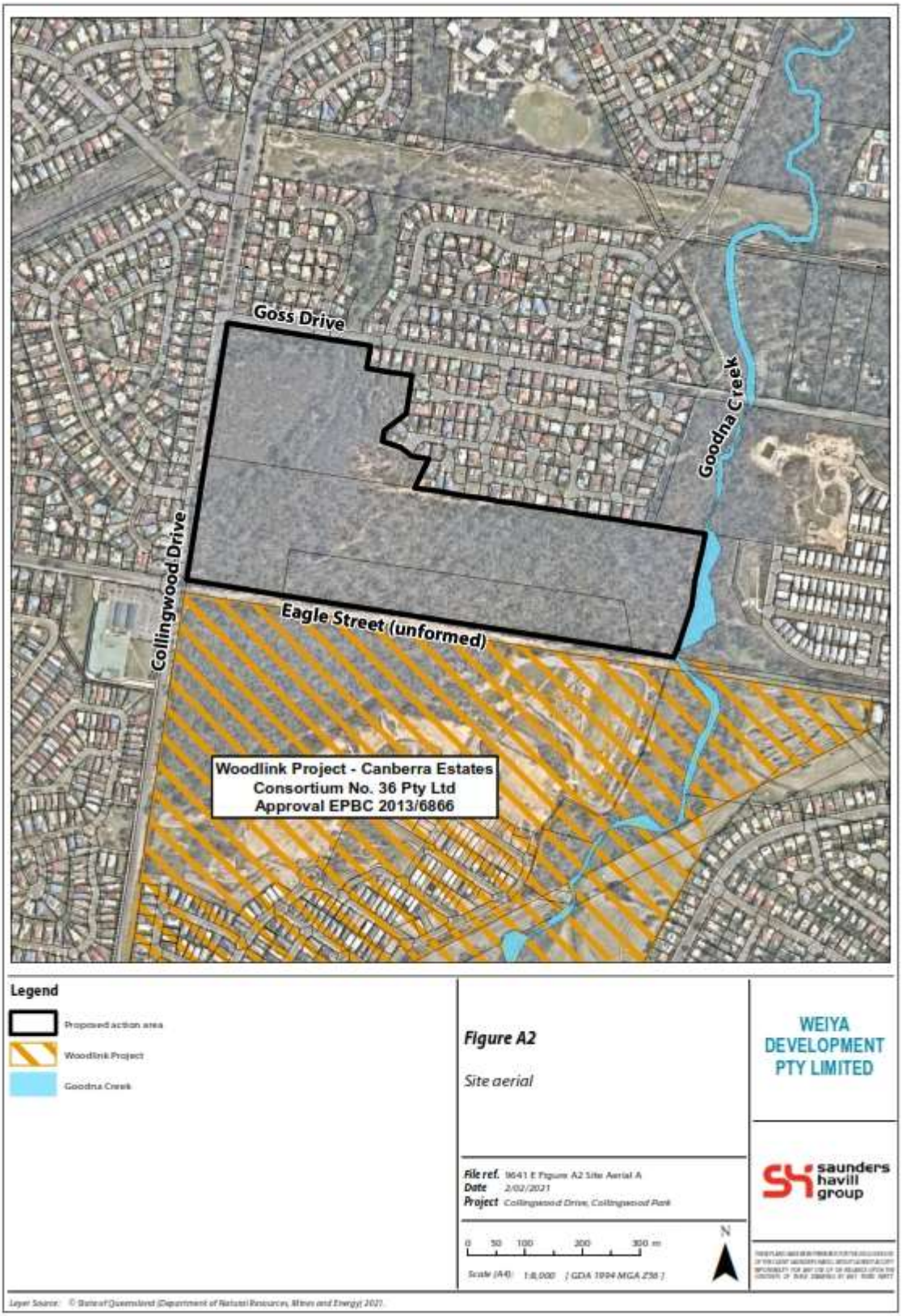
Suitably qualified person means a person who has professional qualifications, training, skills and/or experience related to the nominated subject matter and can give authoritative independent assessment, advice and analysis on performance relative to the subject matter using the relevant protocols, standards, methods and/or literature.

Website means a set of related web pages located under a single domain name attributed to the approval holder and available to the public.

ATTACHMENTS

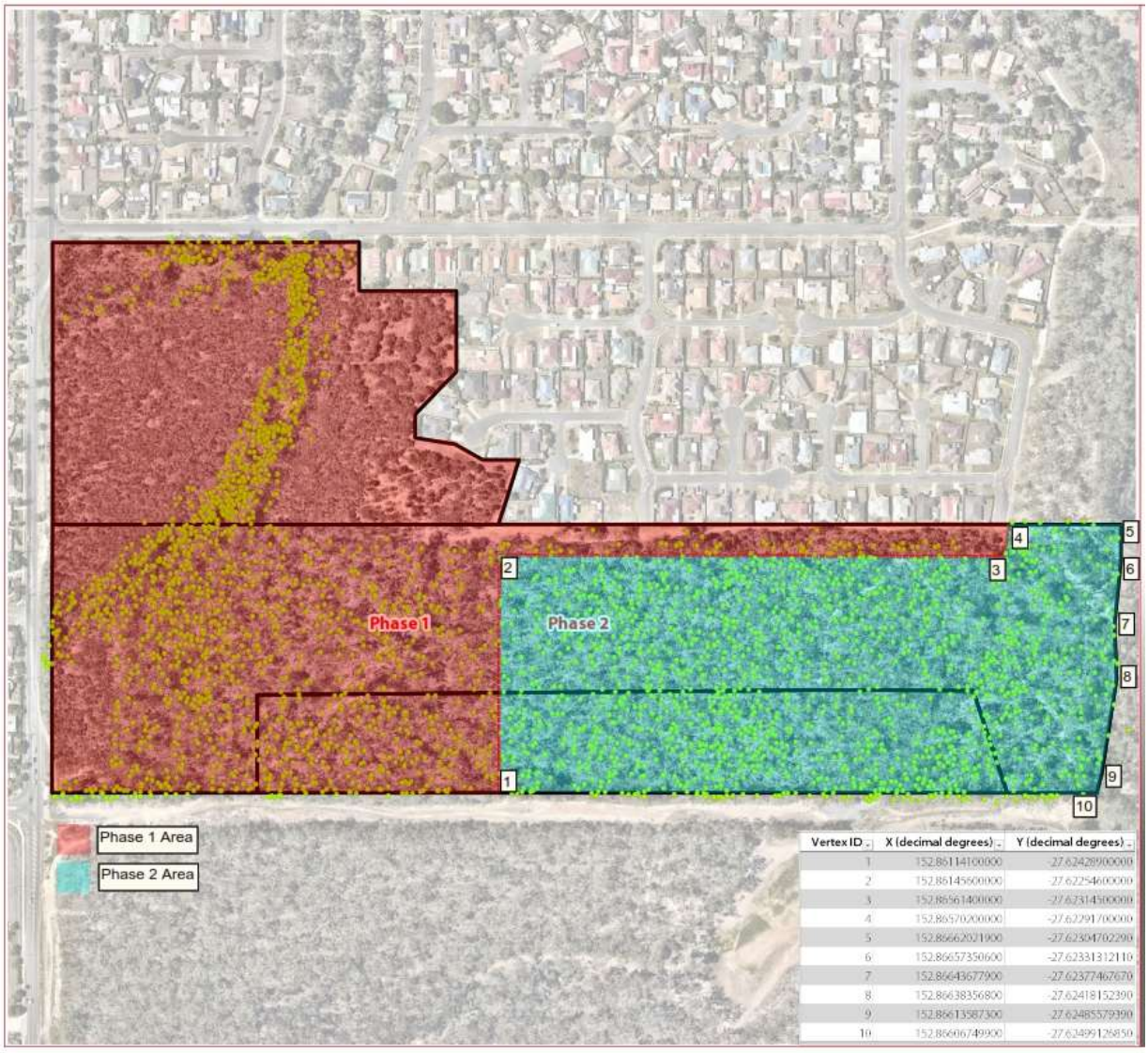
Attachment A: 2.21 hectares habitat retention area (green area)

Attachment B: Location of development area delineated by bold black line area. Collingwood Park development location is within Lot 801 on SP157194, Lot 1 on RP22251 and Lot 2 on RP22251.



Attachment C: Map of the Scenic Ridge Offset Management Zone 1

Attachment D: Phase 1 and Phase 2 Areas



Vertex ID	X (decimal degrees)	Y (decimal degrees)
1	152.86114100000	-27.62428900000
2	152.86145600000	-27.62254600000
3	152.86561400000	-27.62314500000
4	152.86570200000	-27.62291700000
5	152.86662021900	-27.62304702290
6	152.86657350600	-27.62331312110
7	152.86643677900	-27.62377467670
8	152.86638356800	-27.62418152390
9	152.86613587300	-27.62485579390
10	152.86606749900	-27.62499126850

Attachment E: Coordinates in decimal degrees for the development area and retention area adjacent to Goodna Creek at Collingwood Park.

Vertex ID	X Coordinate (decimal degrees)	Y Coordinate (decimal degrees)	Boundary
1	152.85865905200	-27.62054612520	Proposed action area
2	152.85883154300	-27.61981156660	Proposed action area
3	152.86070783300	-27.62007643390	Proposed action area
4	152.86064438500	-27.62043309200	Proposed action area
5	152.86144521200	-27.62054612520	Proposed action area
6	152.86133893600	-27.62114354230	Proposed action area
7	152.86094458400	-27.62140779310	Proposed action area
8	152.86091309900	-27.62158311940	Proposed action area
9	152.86123026900	-27.62167652000	Proposed action area
10	152.86144220700	-27.62182266290	Proposed action area
11	152.86174128100	-27.62186487830	Proposed action area
12	152.86148229300	-27.62231510190	Proposed action area
13	152.86578190200	-27.62292761410	Proposed action area & Habitat retention area
14	152.86662021900	-27.62304702290	Proposed action area & Habitat retention area
15	152.86661719100	-27.62306427770	Proposed action area & Habitat retention area
16	152.86659799100	-27.62317364990	Proposed action area & Habitat retention area
17	152.86657350600	-27.62331312110	Proposed action area & Habitat retention area
18	152.86643677900	-27.62377467670	Proposed action area & Habitat retention area
19	152.86638356800	-27.62418152390	Proposed action area & Habitat retention area
20	152.86613587300	-27.62485579390	Proposed action area & Habitat retention area
21	152.86608593300	-27.62495474370	Proposed action area & Habitat retention area
22	152.86606749900	-27.62499126850	Proposed action area
23	152.85745085000	-27.62376535730	Proposed action area
24	152.85780523800	-27.62179116190	Proposed action area
25	152.85818190900	-27.61971985490	Proposed action area
26	152.86600828600	-27.62321576530	Habitat retention area
27	152.86561040200	-27.62330707970	Habitat retention area
28	152.86561625900	-27.62329128680	Habitat retention area
29	152.86562430500	-27.62326956660	Habitat retention area
30	152.86562624100	-27.62326335910	Habitat retention area
31	152.86566233200	-27.62316625620	Habitat retention area
32	152.86575722100	-27.62296980970	Habitat retention area
33	152.86656138400	-27.62308998930	Habitat retention area
34	152.86648465000	-27.62310643800	Habitat retention area
35	152.86627612000	-27.62315429670	Habitat retention area
36	152.86600828600	-27.62321576530	Habitat retention area
37	152.86603747200	-27.62494294270	Habitat retention area
38	152.86600599100	-27.62493845880	Habitat retention area
39	152.86415147700	-27.62467430130	Habitat retention area
40	152.86418378400	-27.62449445210	Habitat retention area
41	152.86476010000	-27.62457648140	Habitat retention area
42	152.86481648000	-27.62458450590	Habitat retention area

43	152.86487434200	-27.62459274150	Habitat retention area
44	152.86497178000	-27.62454079940	Habitat retention area
45	152.86505914400	-27.62443575860	Habitat retention area
46	152.86516193600	-27.62430331270	Habitat retention area
47	152.86520899600	-27.62423275560	Habitat retention area
48	152.86524419100	-27.62417998780	Habitat retention area
49	152.86533669100	-27.62407038380	Habitat retention area
50	152.86543431600	-27.62396535560	Habitat retention area
51	152.86545100100	-27.62393818110	Habitat retention area
52	152.86545158100	-27.62393496120	Habitat retention area
53	152.86545217200	-27.62393165350	Habitat retention area
54	152.86545315800	-27.62392617470	Habitat retention area
55	152.86545432400	-27.62391968650	Habitat retention area
56	152.86545962200	-27.62389019440	Habitat retention area
57	152.86545996300	-27.62388829530	Habitat retention area
58	152.86546171700	-27.62387853480	Habitat retention area
59	152.86546537000	-27.62385819330	Habitat retention area
60	152.86546843400	-27.62384113530	Habitat retention area
61	152.86547170300	-27.62382294960	Habitat retention area
62	152.86547247500	-27.62381865630	Habitat retention area
63	152.86547336000	-27.62381373550	Habitat retention area
64	152.86547421600	-27.62380898390	Habitat retention area
65	152.86547518700	-27.62380356450	Habitat retention area
66	152.86547703000	-27.62379331470	Habitat retention area
67	152.86547720500	-27.62379233960	Habitat retention area
68	152.86549627900	-27.62368614290	Habitat retention area
69	152.86549657700	-27.62368448020	Habitat retention area
70	152.86549711200	-27.62368151410	Habitat retention area
71	152.86550349400	-27.62364598000	Habitat retention area
72	152.86551068400	-27.62360594110	Habitat retention area
73	152.86551089200	-27.62360478250	Habitat retention area
74	152.86551890600	-27.62356017160	Habitat retention area
75	152.86551988100	-27.62355473960	Habitat retention area
76	152.86552043400	-27.62355165770	Habitat retention area
77	152.86552066100	-27.62355036860	Habitat retention area
78	152.86552127200	-27.62354816840	Habitat retention area
79	152.86552283800	-27.62354510030	Habitat retention area
80	152.86552465200	-27.62354017320	Habitat retention area
81	152.86552546600	-27.62353796560	Habitat retention area
82	152.86588283200	-27.62343586180	Habitat retention area
83	152.86587629900	-27.62333931020	Habitat retention area
84	152.86602146900	-27.62330598760	Habitat retention area
85	152.86609240900	-27.62328970390	Habitat retention area
86	152.86641904600	-27.62321472620	Habitat retention area
87	152.86652724300	-27.62318988980	Habitat retention area
88	152.86654454400	-27.62318591860	Habitat retention area

Appendix B

Pre-clearing and Post-clearing Reports

QUEENSLAND FAUNA CONSULTANCY Pty Ltd

August 2021/ February 2022

Fauna Spotter Catcher Pre-clearance and Habitat Values Survey

The Pocket – 218 Collingwood Drive Collingwood Park, Queensland

Report prepared for Shadforth Civil Pty Ltd

Report prepared by

QLD Fauna Consultancy Pty Ltd

Phone: (07) 3376 9780

Email: fauna@qfc.com.au

Date:	04/02/2022
Title:	Fauna Spotter Catcher Pre-clearance and Habitat Values Survey The Pocket – 218 Collingwood Drive, Collingwood Park, Queensland
Author/s:	Bryan Robinson, Jasmine Zeleny
Reviewed by:	Rebecca Everett
Field personnel:	Rodney Whitaker, Darcy Brady
Status:	Final Report
Filed as:	QFC FHA Shadforth Collingwood Park Feb 2022.docx

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Contents

1. Introduction

1.1 Project Background

Queensland Fauna Consultancy Pty Ltd has been engaged by Shadforth Civil Pty Ltd to conduct a Fauna Spotter Catcher Pre-clearance and Habitat Values Survey and present a subsequent report for The Pocket – 218 Collingwood Drive, Collingwood Park, Queensland. The site location is presented in Map 1.

The objective of this report is to summarise the existing fauna values present and assign mitigatory strategies applicable to probable species likely to be encountered during the clearing of identified habitats throughout or within specific localities of the site. Fauna species both common and of elevated conservation value have been considered within the parameters of onsite investigations and, where provided to QFC, include review of current fauna and floristic reports that may influence the assemblages expected to utilise the micro habitats evident within the site.

This review encompasses species identified under the provisions of the Commonwealth *Environment Protection and Biodiversity Conservation Act 1999* and the Queensland *Nature Conservation Act 1992*. Further consideration is given, where applicable, to species of iconic, cultural and/or regional significance identified under commonwealth, state or local planning instruments aimed at the persistence of biodiversity values within the area.

Map 1: **Locality Plan**

Source: Extracted from Vegetation Clearing & Fauna Management Plan Cover Sheet (Saunders Havill Group, 2021)

1.2 Current Permits and Authorities

All activities conducted during the site investigations were implemented under the provisions of several permits issued to Queensland Fauna Consultancy Pty Ltd by the Department of Environment and Science (DES), formerly the Department of Environment and Heritage Protection (DEHP), and the Department of Employment, Economic Development and Innovation (DEEDI). These permits and additional authorities are listed in Table 1.

Table 1: **Current Permits and authorities issued to QFC**

Permit/Authorisation	Permit Number	Expiry Date
Damage Mitigation Permit	WA0018804	10th November 2022
Rehabilitation Permit	WA0026789	16th September 2023
Scientific Purposes Permit	WA0032325	3rd March 2026
Scientific User Registration	Registration Number 589	27th February 2022
Animal Ethics	CA 2019/02/1259	27th February 2022
General Fisheries Permit	207015	16th April 2023

These permits and approvals enable QFC to conduct the investigation, observation and relocation of protected animals exposed to disturbance due to infrastructure expansion resulting in the destruction of natural and artificial habitats.

2. Methodology

Site inspections were carried out on 20th August 2021 and 3rd February 2022 by Qld Fauna Consultancy. A standard set of observational techniques aimed at maximising the detection of fauna and the probable habitats they may occupy were employed to ascertain and identify the current fauna values throughout the project area. Where species of elevated conservation significance where foreseen as potentially present targeted searches were instigated to further evaluate individual species habitat.

Due to the habitat variability expressed across the development site the composition of investigations may include a range of features that entail specific components indicative of the presence of particular species or faunal groups. This may include where evident, observation of activity or signs of both historical and current use.

These may include but are not limited to the following:

- Identification of terrestrial microhabitats such as ground hollows, rock, burrows, leaf litter, stands of heavy vegetation, fallen branches and bark exfoliations;
- Identification of arboreal micro habitats including basal, trunk and limb hollows, tree fissures, bark exfoliates and arboreal termitaria;
- Identification of constructed arboreal micro habitats including bird nests and Ringtail Possum dreys;
- Artificial habitats including but not limited to ornamental gardens, discarded rubbish, human dwellings and other infrastructure;
- Observation and investigation of aquatic habitats including dams, soaks, creeks, rivers and seasonally inundated vegetation communities. Artificial aquatic habitats may include constructed drains and culverts. Further components of interest include bank profiles and undercuts, submerged and/or exposed timber and rock, immediate aquatic and riparian vegetation, surfacing animals, nesting and/or feeding birds;
- Direct observation of active or exposed fauna within terrestrial, aquatic and arboreal habitats;
- Identification of scats, tracks and scratchings to determine fauna potentially present or to have historically utilised the site for either transient or longer-term life history purposes.

2.1 Specific methodology for Koalas *Phascolarctos cinereus*

Due to specific requirements and the cryptic nature of the Koala the following techniques were employed to assist in ascertaining the current and historical presence/absence status of the species at the site:

- Use of binoculars to inspect the crown, forks and trunk of trees for individuals currently occupying the site;
- 'Drip zone' searches at the base of known food trees for the presence of scats to a radius equal to that of the crown of individual trees;
- Inspection of trunks for scratchings indicative of use by Koalas.

3. Findings

The findings endeavor to demarcate the existing habitat profiles and the features present into three distinct groups: terrestrial, arboreal and aquatic. All habitat features present onsite are noted, however it is probable additional features will be present with these being accounted for during the Fauna Spotter Catcher process to be applied to all vegetation clearing across the site.

3.1 Terrestrial Habitat Features

The terrestrial fauna values of the site consist of a variety of different components and microhabitat features. These features include low level understorey composed of dense grass, shrubs, and *Lomandra* sp. (Figure 1 to Figure 3), with sections exhibiting dense cover provided by weed species such as Lantana *Lantana camara,* and Blue Billygoat Weed *Ageratum houstonianum* (Figure 4). These features represent a moderate terrestrial fauna habitat value for numerous common reptiles, amphibian and small mammal species.

Leaf litter and bark exfoliations are also a feature on site, being present in abundance and at variable depths (Figure 5), providing both refugial opportunities and microhabitat connectivity which can be exploited by a number of different native terrestrial vertebrate and invertebrate species.

The site is also exhibitive of scattered woody debris, timber stockpiles, hollow logs, hollow stumps, rock piles and scattered surface rock (Figure 6 to Figure 12), providing refugial and foraging opportunities, and a contributory factor to the provision of a variety of thermal and moisture gradients that can be exploited by a number of different native terrestrial vertebrate and invertebrate species. A large amount of artificial debris is also present in the locality adding to its potential habitat value for resident and transient fauna (Figure 13 to Figure 16).

Terrestrial termite mounds feature heavily onsite (Figure 17 and Figure 18), providing feeding resources for the Short-beaked Echidna *Tachyglossus aculeatus*.

Striated Pardalote *Striatus pardalotus* burrows were identified on site (Figure 19 and Figure 20). It was unable to be determined whether the nests were active at the time of the inspection, therefore further inspections are recommended immediately prior to clearing commencement. Soil piles present on site may provide further nesting opportunities for the Striated Pardalote.

Mulch piles identified on site (Figure 21 and Figure 22) may provide both refugial and egg deposition opportunities for a number of common reptile species such as the Coastal Carpet Python *Morelia spilota mcdowelli.* Numerous diggings were identified within the mulch piles and will require further investigation prior to clearing commencement.

Mammal assemblages may comprise both native and introduced species. The Red-necked Wallaby *Notamacropus rufogriseus* was sighted during the inspection, with scat also observed across the site (Figure 23). Additional Macropod species likely to occur on site include the Swamp Wallaby

*Wallabia bicolo*r, and Eastern Grey Kangaroo *Macropus giganteus.* Other native mammals occurring on site include the Northern Brown Bandicoot *Isoodon macrourus.*

These features collectively contribute to the potential presence of a wide variety of native fauna species utilising the area for refugial, foraging and other resources.

GPS coordinates for identified terrestrial habitat features are shown in Table 2.

Terrestrial habitat features identified during the inspection on the 3rd February 2022 are represented in the existing report with no new terrestrial habitat types found during the inspection. GPS Coordinates for identified terrestrial habitat features in the new clearing area inspected on the 3rd February 2022 are shown at the bottom of Table 2.

Table 2: **Localities for identified terrestrial habitat features**

Number	Habitat Feature	GPS Coordinates (Latitude, Longitude)
1	Terrestrial Termitaria	-27.6237123, 152.8647812
2	Terrestrial Termitaria	-27.6237457, 152.864913
3	Terrestrial Termitaria	-27.6243158, 152.8647309
4	Terrestrial Termitaria	-27.6240261, 152.8638869
5	Terrestrial Termitaria	-27.6239315, 152.8640558
6	Terrestrial Termitaria	-27.6240045, 152.8641571
7	Terrestrial Termitaria	-27.6248412, 152.8635334
8	Terrestrial Termitaria	-27.6238316, 152.8619457
9	Terrestrial Termitaria	-27.6238031, 152.8618938
10	Terrestrial Termitaria	-27.6238092, 152.8618545
11	Terrestrial Termitaria	-27.6235789, 152.8613566
12	Terrestrial Termitaria	-27.6234235, 152.8611917
13	Terrestrial Termitaria	-27.6234338, 152.8608064
14	Terrestrial Termitaria	-27.6238538, 152.8606133
15	Terrestrial Termitaria	-27.6239116, 152.861847
16	Terrestrial Termitaria	-27.6235101, 152.8598588
17	Terrestrial Termitaria	-27.6226163, 152.8603576

18	Terrestrial Termitaria	-27.6222993, 152.8604883
19	Terrestrial Termitaria	-27.6215438, 152.8582534
20	Rock Pile	-27.6247492, 152.863699
21	Rock Pile	-27.622079, 152.8583855
22	Rocks (Singular)	-27.6242279, 152.8596382
23	Rocks (Singular)	-27.6211517, 152.8599692
24	Rocks (Singular)	-27.6229107, 152.8578204
25	Rocks (Singular)	-27.6199501, 152.8593299
26	Rocks (Singular)	-27.6219865, 152.8579955
27	Woody Debris	-27.6236372, 152.8585471
28	Woody Debris	-27.6200604, 152.859542
29	Hollow Log	-27.6245327, 152.8664371
30	Hollow Log	-27.6230221, 152.8656824
31	Hollow Log	-27.623867, 152.8582996
32	Hollow Log	-27.6233011, 152.8585381
33	Hollow Log	-27.6202379, 152.8599225
34	Hollow Log	-27.6199769, 152.8595121
35	Burrow	-27.6211257, 152.8599737
36	Burrow	-27.620334, 152.8602498
37	Bark Exfoliations (Terrestrial)	-27.6112939, 152.8748115
38	Artificial Debris	-27.6244495, 152.8637569
39	Artificial Debris	-27.6238132, 152.8605764
40	Artificial Debris	-27.623931, 152.8591623
41	Artificial Debris	-27.6235211, 152.8600271
42	Artificial Debris	-27.6234506, 152.8601742
43	Artificial Debris	-27.6234631, 152.8601453
44	Artificial Debris	-27.6218147, 152.860035
45	Artificial Debris	-27.6238929, 152.8582972
46	Soil Piles	-27.6217995, 152.8603903

47	Soil Piles	-27.6204395, 152.8601019
48	Mulch Piles	-27.6231138, 152.8577387
49	Mulch Piles	-27.6230332, 152.8577621
50	Mulch Piles	-27.6229938, 152.8577608
51	Mulch Piles	-27.6218111, 152.8582166
52	Mulch Piles	-27.6210831, 152.8588227
53	Mulch Piles	-27.6209645, 152.8596072
54	Mulch Piles	-27.6217104, 152.8580677
Additional Terrestrial Habitat Features Identified on 03/02/2022		
55	Artificial Debris	-27.6225808, 152.8615614
56	Bark Exfoliations (Terrestrial)	-27.6228287, 152.8616137
57	Terrestrial Termitaria	-27.6226976, 152.8609068
58	Terrestrial Termitaria	-27.6227111, 152.8616125
59	Terrestrial Termitaria	-27.6229584, 152.8613915
60	Terrestrial Termitaria	-27.6230926, 152.8613814
61	Timber Stockpile	-27.6226932, 152.8609187

Figure 1: Site overview

Figure 2: Dense grass

Figure 3: *Lomandra* sp.

Figure 4: Blue Billygoat Weed *Ageratum houstonianum*

Figure 5: Dense leaf litter

Figure 6: Bark exfoliations

Figure 7: Woody debris

Figure 8: Hollow log

Figure 9: Hollow log

Figure 10: Hollow log

Figure 11: Surface rock

Figure 12: Rocks

Figure 13: Artificial debris

Figure 14: Artificial debris

Figure 15: Artificial debris

Figure 16: Artificial debris

Figure 17: Terrestrial termitaria

Figure 18: Terrestrial termitaria

Figure 19: Striated Pardalote *Striatus pardalotus* burrow

Figure 20: Striated Pardalote *Striatus pardalotus* burrow

Figure 21: Mulch pile

Figure 22: Mulch pile

Figure 23: Macropod scat

3.2 Arboreal Habitat Features

The clearance site consists predominantly of regrowth Eucalypt woodland (Figure 24 to Figure 26). Onsite trees exhibit potential feeding and nesting resources for a number of bird and mammal species. The intermittent contiguous canopy structure (Figure 27) within some of the vegetation represented may be facilitative of arboreal progression for species such as Common Brushtail Possum *Trichosurus vulpecula* and Common Ringtail Possum *Pseudocheirus peregrinus.*

A number of hollow-bearing tree, stag trees, and fissures are present in the clearance area which may provide habitat opportunities for arboreal mammals, reptiles and parrots (Figure 28 to Figure 32). Arboreal termite mounds are also present across the site in high numbers (Figure 33 and Figure 34), with numerous mounds exhibiting excavations (Figure 35). A number of suitable mounds were located within the clearance area that have potential for use as egg deposition and incubation sites by species such as the Lace Monitor *Varanus varius,* Laughing Kookaburra *Dacelo novaeguineae,* and Sacred Kingfisher *Todiramphus sanctus.* Exfoliating bark on tree trunks may provide refugial opportunities for reptile species including skinks and geckos.

Two avian stick nests were located, however did not appear in use at the time of the survey (Figure 36). Further inspections are recommended immediately prior to clearing commencement. A number of avian species were observed utilising the site at the time of the inspection (foraging or perching) these species are presented in Table 4.

No possum dreys were identified in the clearing footprint, however the dense vegetation structure in some areas may have concealed visibility and further inspections are recommended immediately prior to clearing commencement.

A number of hives belonging to both the introduced European Honey Bee *Apis mellifera* (Figure 37) and Native Stingless Bee *Tetragonula sp.* (Figure 38) were also identified on site.

Koala food trees located in the clearance area include *Eucayptus tereticornis, E. siderophloia, E. moluccana, E. admenoides, E. crebra, E. fibrosa, E. seeana, E. propinqua, Corymbia citriodora, C. tesselaris, C. henryi, C. intermedia, Angophora leiocarpa,* and *Lophostemon suaveolens.* However, no evidence was observed to indicate recent use of these trees by koalas. No koala scats were found during 'drip zone' searches and characteristic scratchings were not found during trunk investigations. A Koala habitat values map for the clearance area is presented in Appendix A.

GPS coordinates for identified arboreal habitat features are shown in Table 3.

A birds nest (Figure 39) was identified within the new clearing area during the inspection on the 3rd February 2022, however it did not appear active. Further inspections of the nest are recommended immediately prior to clearing commencement. GPS Coordinates for identified arboreal habitat features in the new clearing area inspected on the 3rd February 2022 are shown at the bottom of Table 3.

Table 3: **Localities for identified arboreal habitat features**

Number	Habitat Feature	GPS Coordinates (Latitude, Longitude)
1	Arboreal Termitaria	-27.6234805,152.8663458
2	Arboreal Termitaria	-27.623595,152.8663298
3	Arboreal Termitaria	-27.6238094,152.8665207
4	Arboreal Termitaria	-27.6237996,152.8664078
5	Arboreal Termitaria	-27.6238354,152.8663484
6	Arboreal Termitaria x 2	-27.6243987,152.8664989
7	Arboreal Termitaria	-27.6242907,152.8663386
8	Arboreal Termitaria	-27.6245441,152.8664414
9	Arboreal Termitaria	-27.6230337,152.8644655
10	Arboreal Termitaria	-27.6235056,152.8647094
11	Arboreal Termitaria	-27.624448,152.8637448
12	Arboreal Termitaria	-27.6245178,152.8621875
13	Arboreal Termitaria	-27.6241922,152.862112
14	Arboreal Termitaria	-27.6240458,152.8621044
15	Arboreal Termitaria	-27.6240817,152.8610351
16	Arboreal Termitaria	-27.6233764,152.8601613
17	Arboreal Termitaria	-27.6224253,152.8603895
18	Arboreal Termitaria	-27.6213023,152.8581318
19	Arboreal Termitaria (with excavation)	-27.6234511,152.8612008
20	Arboreal Termitaria (with excavation)	-27.623394,152.8601196
21	Arboreal Termitaria (with excavation)	-27.6217581,152.8574822
22	Bird Nest	-27.6235805,152.8647641
23	Bird Nest	-27.624002,152.857866
24	Fissure	-27.6211194, 152.8599745
25	Fissure	-27.623117, 152.8574007
26	Hollow Bearing Tree	-27.6235588, 152.8665121

27	Hollow Bearing Tree	-27.6235361, 152.8664876
28	Hollow Bearing Tree	-27.6231949, 152.8664818
29	Hollow Bearing Tree	-27.6242999, 152.8663446
30	Hollow Bearing Tree	-27.6245583, 152.8664698
31	Hollow Bearing Tree	-27.6245407, 152.8660962
32	Hollow Bearing Tree	-27.6242482, 152.8657986
33	Hollow Bearing Tree	-27.6235055, 152.8647053
34	Hollow Bearing Tree	-27.6239792, 152.864765
35	Hollow Bearing Tree	-27.6234888, 152.8608901
36	Hollow Bearing Tree	-27.6233308, 152.8606648
37	Hollow Bearing Tree	-27.6238038, 152.860353
38	Hollow Bearing Tree	-27.6238059, 152.8603094
39	Hollow Bearing Tree	-27.6238337, 152.8582804
40	Hollow Bearing Tree	-27.6236372, 152.8585465
41	Hollow Bearing Tree	-27.6222485, 152.8581267
42	Hollow Bearing Tree	-27.6225669, 152.8580172
43	Hollow Bearing Tree	-27.6221361, 152.8582643
44	Hollow Bearing Tree	-27.6202927, 152.8598132
45	Hollow Bearing Tree	-27.6201135, 152.859664
46	Hollow Bearing Tree	-27.6238691, 152.8580974
47	Hollow Bearing Tree with Native Bee Hive and European Honey Bee Hive	-27.6232558, 152.8658753
48	Hollow Bearing Tree with Native Bee Hive	-27.6235069, 152.86653
49	Hollow Bearing Tree with Native Bee Hive and European Honey Bee Hive	-27.6234362, 152.8666604
50	Hollow Bearing Tree with Native Bee Hive	-27.6235412, 152.866602
Additional Terrestrial Habitat Features Identified on 03/02/2022		
51	Arboreal Termitaria	-27.6228424, 152.8608325
52	Arboreal Termitaria	-27.6228090, 152.8610557

53	Arboreal Termitaria	-27.6226112, 152.8609271
54	Arboreal Termitaria	-27.6225766, 152.8613340
55	Arboreal Termitaria	-27.6226410, 152.8611606
56	Bird Nest	-27.6227421, 152.8615688
57	Dead Stag	-27.6226959, 152.8610590
58	Dead Stag	-27.6230141, 152.8609522
59	Dead Stag	-27.6227856, 152.8611669

Figure 24: Site overview

Figure 25: Site overview

Figure 26: Site overview

Figure 27: Contiguous canopy structure

Figure 28: Hollow-bearing tree

Figure 29: Hollow-bearing tree

Figure 30: Hollow-bearing tree

Figure 31: Stag tree

Figure 32: Stag tree

Figure 33: Arboreal termite mound

Figure 34: Arboreal termite mound

Figure 35: Arboreal termite mound with excavation

Figure 36: Bird nest

Figure 37: European Honey Bee *Apis mellifera* hive

Figure 38: Native stingless bee *Tetragonula sp*. hive

Figure 39: Bird nest 03/02/2022

Table 4: **Arboreal Fauna Species Observed**

Number	Common Name and *Scientific Name*
1	Torresian Crow *Corvus orru*
2	Red-browed Finch *Neochmia temporalis*
3	Rainbow Lorikeet *Trichoglossus haematodus*
4	Sulphur-crested Cockatoo *Cacatua galerita*
5	Willie Wagtail *Rhipidura leucophrys*
6	Crested Pigeon *Ocyphaps lophotes*
7	Magpie-lark *Grallina cyanoleuca*

3.3 Aquatic Habitat Features

Two creek lines and a dam are present within the clearance area (Figure 40 to Figure 43). One of the creeks featured intermittent pools of water at the time of the inspection, the other creek was predominantly dry and covered with dense grass and infestations of Blue Billygoat Weed *Ageratum houstonianum*. The dam was not retaining any water at the time of the inspection. Native species may exploit the various microhabitats present by such environmental features, particularly during times of rainfall, including Rocket Frog *Litoria nasuta*, Striped Marsh Frog *Limnodynsates peronii*, Tusked Frog *Adelotus brevis*, Graceful Treefrog *Litoria gracilenta,* and various mammals and birds as a water resource.

GPS coordinates for identified aquatic habitat features are shown in Table 5.

No aquatic habitat features were identified within the clearing area inspected on 3rd February 2022.

Table 5: **Localities for identified aquatic habitat features**

Number	Habitat Feature	GPS Coordinates (Latitude, Longitude)
1	Creek	-27.6199747, 152.8595453
2	Creek	-27.620299, 152.860231
3	Dam	-27.6211338, 152.859982

Figure 40: Creek line

Figure 41: Pooled water

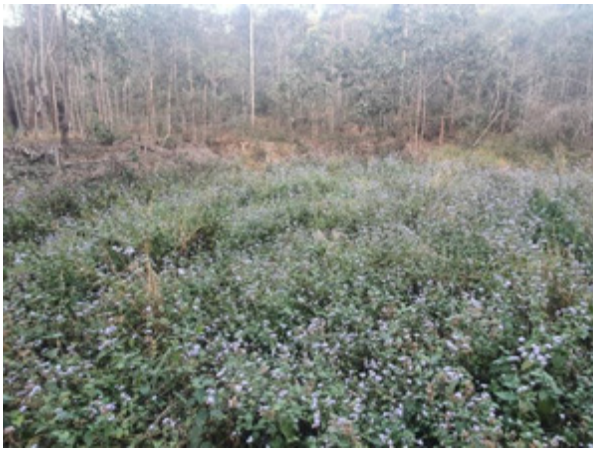

Figure 42: Blue Billygoat Weed infested creek

Figure 43: Creek covered in dense grass growth

3.4 Endangered, Vulnerable and Near Threatened (EVNT) & SLC (Special Least Concern) Species

It is not envisaged that any EVNT & SLC fauna species will be detrimentally impacted by the proposed works. However, five species identified within the Online EPBC Protected Matters Report (Appendix B) and the Queensland Government Wildlife Online Search Tool (Appendix C) were considered possible to occur within the site and will require further mitigation during clearing activities.

Although evidence was not found during the site inspection of recent Koala use, the species has previously been recorded in the area. The site contains habitat identified as Core Koala Habitat under the Koala Habitat in South East Queensland mapping sourced from the Queensland Globe online search tool (see Appendix A).

It is advised that dedicated methodologies be employed by a qualified Fauna Spotter specific to the detection of these identified species prior to vegetation clearing activities.

Table 6: **Significant species deemed possible to occur within the clearance survey area**

Common Name **Scientific Name**	**Species Information**	**Likelihood of Occurrence within the Clearance Survey area**
Mammals		
Koala *Phascolarctos cinereus* **EPBC:** Vulnerable **NCA:** Vulnerable	Inhabits a range of open forest and woodland communities which may include any of the following noted food trees: *Eucalyptus*, *Corymbia*, *Melaleuca*, *Angophora* and *Lophostemon*.	***Possible*** Known food trees for the transient Koala (*Phascolarctos cinereus)* occur on the clearance site and the species is well documented within the area.
Greater Glider *Petauroides volans* **EPBC:** Vulnerable **NCA:** Least Concern	The Greater Glider lives in a variety of Eucalypt-dominated habitats, feeding almost exclusively on eucalypt leaves. Dens are constructed in suitable hollow-bearing trees with the breeding season occurring from March to June (Strahan R (ed) 1995).	***Possible*** Suitable vegetation communities containing both feeding and nesting resources occur on and adjacent to the clearance site.
Grey-headed Flying-fox *Pteropus poliocephalus* **EPBC:** Vulnerable **NCA:** Least Concern	The Grey-headed Flying-Fox roosts in aggregations of various sizes on exposed branches, commonly of emergent trees. Roost sites are typically located near water, such as lakes, rivers or the coast. Habitat includes open forests, woodlands, urban parks and gardens.	***Possible*** Suitable vegetation communities containing both feeding and roosting resources occur on and adjacent to the clearance site.
Short-beaked Echidna *Tachyglossus aculeatus* **EPBC:** Not Listed **NCA:** Special Least Concern	Inhabits a broad range of habitat types across Australia where there is a supply of ants or termites. Echidnas will shelter within hollow logs, under bushes and debris (Van Dyck & Strahan 2008).	***Possible*** Suitable feeding resources occur onsite.

Amphibians		
Tusked Frog *Adelotus brevis* **EPBC:** Not Listed **NCA:** Vulnerable	Inhabits permanent ponds and streams within rainforests, wet to dry forests and farmland areas (Anstis 2013). Nests are constructed under leaf litter, vegetation or logs at the edge of ponds or stream pools in concealed locations (Anstis 2013).	***Possible*** Habitat conducive to this species is found within the survey area.

4. Assessment, Conclusion and Fauna Management Recommendations

A number of conclusions and recommendations are presented, with the specific intention of providing a comprehensive management structure to facilitate minimal impact to fauna during the clearing of vegetation and subsequent disturbance of habitats. The directives given by Fauna Spotter Catchers should embrace a "best practice" approach which includes implementation of proven specific management techniques for identified habitat types and compliance with legislation relevant to the activity.

Fauna management is presented here specific to EVNT & SLC fauna, general terrestrial and arboreal fauna and aquatic fauna. Although each is treated separately, overlap does occur within target techniques providing a comprehensive approach for target species of all conservation significance.

4.1 EVNT & SLC Fauna

It is not envisaged that any species, listed under the provisions of the *Environment Protection and Biodiversity Conservation Act 1999* or the *Nature Conservation Act 1992*, other than those listed in Table 6, will require specific management during vegetation clearing activities.

However, specific management for those identified EVNT & SLC species will include targeted investigations immediately prior to vegetation removal activities on each day of clearing and subsequently whilst clearing takes place. Preliminary investigations will be supported by additional monitoring applied during clearing activities with a designated fauna spotter operating with each machine actively involved in vegetation or identified habitat disturbance. These should include the following:

Koala:
As favoured Koala food trees on site exceed a diameter of 100mm at 1.3 metres from the ground, requirements under the Koala Plan's 'Koala Habitat Area' provisions trigger the need for inspection and monitoring during vegetation clearing by a qualified Fauna Spotter.

Historically known to occur within the area the Koala will feature highly in daily search efforts with a dedicated and detailed methodology employed.

Direct observational methodology will include the following components:

- Use of binoculars to inspect the crown, forks and trunk of trees for individuals currently occupying the site;
- 'Drip zone' searches at the base of known food trees for the presence of scats to a radius equal to that of the crown of individual trees;
- Inspection of trunks for scratchings indicative of use by Koalas;
- Repeat observations made of single trees from numerous angles at repeated times throughout the clearing activities by the assigned fauna spotter.

In the event a Koala is detected; the Fauna Spotter will determine the appropriate course of action with exclusion zones implemented and alterations to the clearing plan discussed with the Site Supervisor. Once defined, these directions will be communicated to the plant operators and clearing will proceed in accordance with the recommendations made.

Changes to Koala management strategies highlighted in the *Nature Conservation (Koala) Conservation Plan 2017* have resulted in particular conditions placed on vegetation clearance involving the removal of Koala food trees. These provisions entail an increased responsibility by developers and land clearance operators alike to ensure the welfare of potentially present Koalas in areas identified as having significance for the persistence of this species.

Where significance under planning instruments is assigned provisions may include the restriction of all clearance that directly interferes with any tree a Koala is residing in or surrounding trees that, when felled, may impact on the crown of the host tree. Koalas are to leave via their own volition through a corridor designated by the Fauna Spotter to the closest remaining suitable habitat.

Throughout this time, the Koala may not be interfered with by any means unless special dispensation has been sought through the appropriate government body or where the Koala is evidently in a state of compromised health. Only when Koalas have vacated a tree can clearance operations include the identified host tree and surrounding vegetation which composes the established exclusion zone. Recommendations made by the Fauna Spotter on site will embrace these provisions.

Greater Glider:

Although no Greater Gliders or dens were noted during the site survey, the cryptic nature of this species and the abundance of available feeding resources and suitable habitat trees would see probability for the species to utilise the site.

The following recommendations are made for management of potentially occurring Greater Glider:

- Daily Inspection of hollow-bearing trees assigned for removal be conducted to detect potential nesting Gliders; involving 'Drip zone' searches at the base of suitable trees for the presence of Glider scat and inspection of trunks for scratchings indicative of use by Gliders;
- Trees found to contain or considered probable for nesting Greater Gliders are to be felled in a manner directed at minimising potential risk of injury to fauna, and hollows to be 'plugged' to prevent animals from escaping during the soft felling procedure.

Grey-headed Flying Fox:
Although no Flying Fox camps or roosts were noted during the site survey, the transient nature of this species and the abundance of available feeding resources would see probability for the species to intermittently utilise the site.

The following recommendations are made for management of potentially occurring Grey-headed Flying Fox:

- Daily Inspection of trees assigned for removal be conducted to detect potential roosting Flying Foxes;
- Trees found to contain roosting Flying Foxes to be left standing and re assessed at the end of each days clearing. Being a transient species, the disturbance associated by the surrounding clearing is likely to see individuals fly off via its own volition come nightfall and not return the following morning, thus negating the need for direct disturbance.

Short-beaked Echidna
Although no individuals were observed during the survey, suitable feeding resources occur on site and would see possibility for the Short-beaked Echidna to be encountered during clearing activities.

The following recommendations are made for management of potentially occurring Short-beaked Echidna:

- Daily inspection of areas to be cleared for transient individuals;
- Inspection daily for potential burrow sites;
- Monitored dismantling of identified microhabitats by fauna spotters with machinery assistance

Tusked Frog:
Habitats conducive to the presence of these amphibians are noted at several localities throughout the site. Subsequently, it is recommended that Inspection of these microhabitats be conducted prior to the disturbance of microhabitat to detect potentially occupant frogs.

A DES approved Fauna Spotter should be in attendance throughout all disturbance of vegetation associated with identified EVNT habitats. No clearing is to commence prior to the Fauna Spotter being satisfied all required investigations have been undertaken within the designated areas to be cleared.

4.2 General Terrestrial and Arboreal Fauna

Overall, the site contains medium-high value refugial opportunities for arboreal and terrestrial fauna species (see Section 3.1 and 3.2). The species expected within the site are likely to primarily reflect common fauna assemblages for the region however provisions are proposed directly for common fauna and species of conservation significance.

It is advised that all identified fauna habitats onsite be inspected by a DES approved Fauna Spotter prior to vegetation clearing and all vegetation removal activities be supervised during the clearing process. Terrestrial load reduction activities will be conducted ahead of the clearing front where

possible. Fauna captured will be relocated to adjacent habitat consistent with the life history requirements of the species requiring translocation.

4.3 Aquatic Fauna

In the event dewatering is required the following recommendations are made to mitigate impacts to potentially occupant fauna:

- Inspection of banks, peripheral vegetation and other immediate terrestrial microhabitats;
- Identification of potential fauna values including: aquatic and sub-aquatic vegetation peripheral vegetation, logs, rocks, artificial structures, discarded rubbish and burrows;
- Targeted searched for frog egg deposition sites on debris, bank edges, water surface and vegetation.

4.4 Felling Procedures

Trees identified as having potential fauna values (such as hollows, fissures, and exfoliating bark) will be clearly identified and subsequently marked for supervision during felling and inspected once felled. Efforts will be made to determine potentially occupant species by way of investigations for indicative signs (scats, scratchings and tracks) on the day(s) of clearing. Where no signs are found or potentially occupant species are undeterminable, machinery operators will be instructed to fell trees in a manner directed at minimising the potential risk of injury to fauna.

All identified micro habitats will be inspected via ground-based observation and the direction of felling will be determined considering the safety of personnel, machinery and potentially occupant fauna. Felling procedures will see implementation of a soft felling technique specifically constructed by QFC to achieve minimal deceleration and impact upon felling. This will be achieved under direction of the Fauna Spotter present directly communicating with the plant operator(s).

5. References

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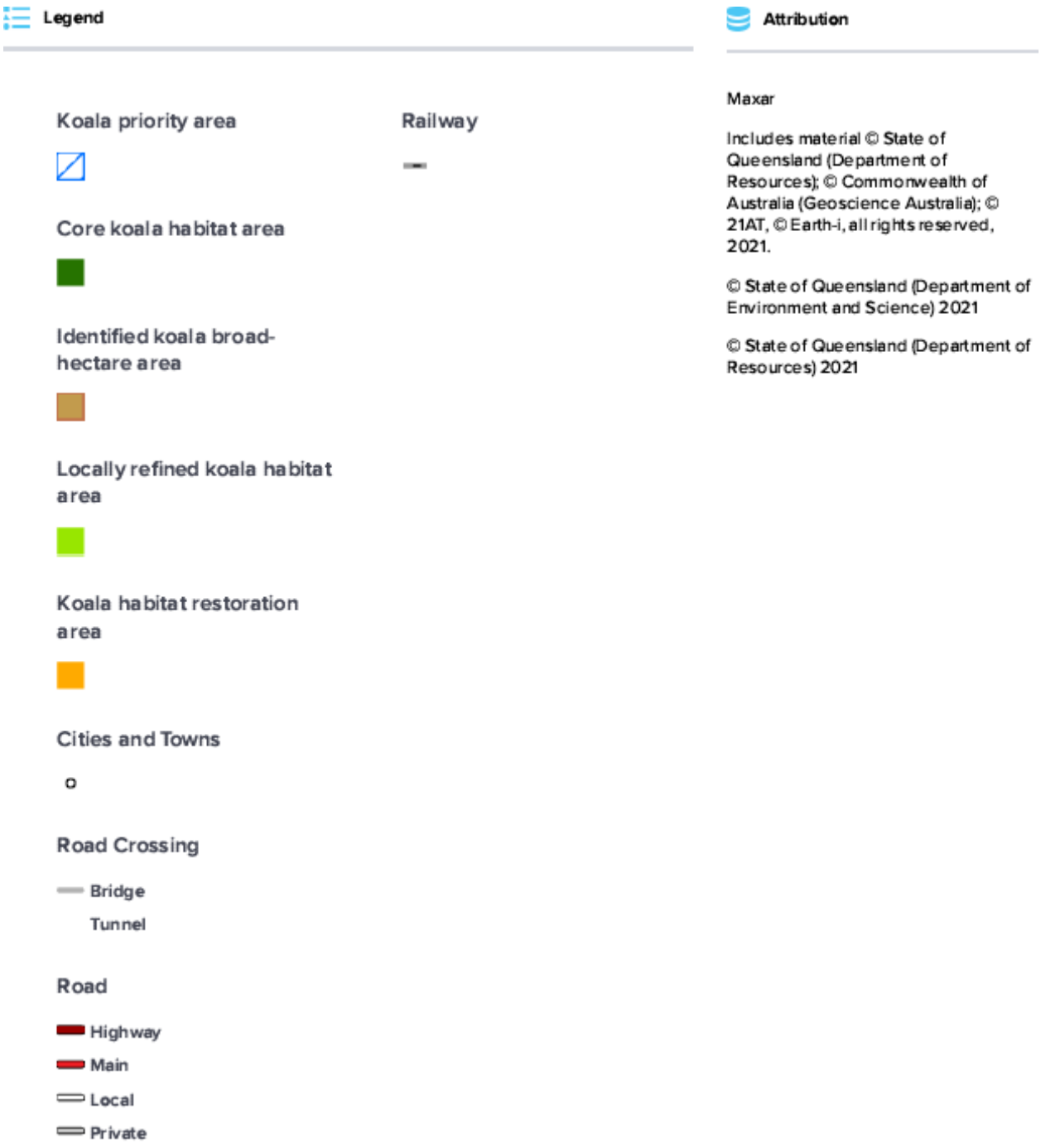
6. Appendix A: Koala Habitat Values


Legend
Koala priority area
Core koala habitat area
Identified koala broad-hectare area
Locally refined koala habitat area
Koala habitat restoration area
Cities and Towns
Road Crossing
Bridge
Tunnel
Road
Highway
Main
Local
Private
Railway
Attribution
Maxar
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7. Appendix B: EPBC Act Protected Matters Report

Australian Government
Department of Agriculture, Water and the Environment

EPBC Act Protected Matters Report

This report provides general guidance on matters of national environmental significance and other matters protected by the EPBC Act in the area you have selected. Please see the caveat for interpretation of information provided here.

Report created: 04-Feb-2022

Summary

Matters of National Environment Significance

This part of the report summarises the matters of national environmental significance that may occur in, or may relate to, the area you nominated. Further information is available in the detail part of the report, which can be accessed by scrolling or following the links below. If you are proposing to undertake an activity that may have a significant impact on one or more matters of national environmental significance then you should consider the Administrative Guidelines on Significance.

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Importance (Ramsar	1
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	5
Listed Threatened Species:	65
Listed Migratory Species:	37

Other Matters Protected by the EPBC Act

This part of the report summarises other matters protected under the Act that may relate to the area you nominated. Approval may be required for a proposed activity that significantly affects the environment on Commonwealth land, when the action is outside the Commonwealth land, or the environment anywhere when the action is taken on Commonwealth land. Approval may also be required for the Commonwealth or Commonwealth agencies proposing to take an action that is likely to have a significant impact on the

The EPBC Act protects the environment on Commonwealth land, the environment from the actions taken on Commonwealth land, and the environment from actions taken by Commonwealth agencies. As heritage values of a place are part of the 'environment', these aspects of the EPBC Act protect the Commonwealth Heritage values of a Commonwealth Heritage place. Information on the new heritage laws can be found at http://www.environment.gov.au/heritage

A permit may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Lands:	None
Commonwealth Heritage Places:	None
Listed Marine Species:	42
Whales and Other Cetaceans:	1
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	None
Habitat Critical to the Survival of Marine Turtles:	None

Extra Information

This part of the report provides information that may also be relevant to the area you have

State and Territory Reserves:	1
Regional Forest Agreements:	None
Nationally Important Wetlands:	None
EPBC Act Referrals:	37
Key Ecological Features (Marine):	None
Biologically Important Areas:	None
Bioregional Assessments:	1
Geological and Bioregional Assessments:	None

Details

Matters of National Environmental Significance

Wetlands of International Importance (Ramsar Wetlands) [Resource Information]

Ramsar Site Name	Proximity	Buffer Status
Moreton bay	20 - 30km upstream from Ramsar site	In feature area

Listed Threatened Ecological Communities [Resource Information]

For threatened ecological communities where the distribution is well known, maps are derived from recovery plans, State vegetation maps, remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.
Status of Vulnerable, Disallowed and Ineligible are not MNES under the EPBC Act.

Community Name	Threatened Category	Presence Text	Buffer Status
Coastal Swamp Oak (Casuarina glauca) Forest of New South Wales and South East Queensland ecological community	Endangered	Community may occur within area	In feature area
Coastal Swamp Sclerophyll Forest of New South Wales and South East Queensland	Endangered	Community likely to occur within area	In feature area
Lowland Rainforest of Subtropical Australia	Critically Endangered	Community may occur within area	In feature area
Poplar Box Grassy Woodland on Alluvial Plains	Endangered	Community may occur within area	In feature area
White Box-Yellow Box-Blakely's Red Gum Grassy Woodland and Derived Native Grassland	Critically Endangered	Community likely to occur within area	In feature area

Listed Threatened Species [Resource Information]

Status of Conservation Dependent and Extinct are not MNES under the EPBC Act.
Number is the current name ID.

Scientific Name	Threatened Category	Presence Text	Buffer Status
BIRD			
Anthochaera phrygia Regent Honeyeater [82338]	Critically Endangered	Foraging, feeding or related behaviour may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Botaurus poiciloptilus Australasian Bittern [1001]	Endangered	Species or species habitat likely to occur within area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area	In feature area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat may occur within area	In feature area
Cyclopsitta diophthalma coxeni Coxen's Fig-Parrot [59714]	Endangered	Species or species habitat may occur within area	In feature area
Diomedea antipodensis Antipodean Albatross [64458]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Diomedea antipodensis gibsoni Gibson's Albatross [82270]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Diomedea exulans Wandering Albatross [89223]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Erythrotriorchis radiatus Red Goshawk [942]	Vulnerable	Species or species habitat known to occur within area	In feature area
Falco hypoleucos Grey Falcon [929]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Geophaps scripta scripta Squatter Pigeon (southern) [64440]	Vulnerable	Species or species habitat may occur within area	In feature area
Grantiella picta Painted Honeyeater [470]	Vulnerable	Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area	In feature area
Lathamus discolor Swift Parrot [744]	Critically Endangered	Species or species habitat likely to occur within area	In feature area
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area	In buffer area only
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat likely to occur within area	In feature area
Pachyptila turtur subantarctica Fairy Prion (southern) [64445]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only
Rostratula australis Australian Painted Snipe [77037]	Endangered	Species or species habitat known to occur within area	In feature area
Sternula nereis nereis Australian Fairy Tern [82950]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche cauta Shy Albatross [89224]	Endangered	Species or species habitat may occur within area	In buffer area only
Thalassarche eremita Chatham Albatross [64457]	Endangered	Species or species habitat may occur within area	In buffer area only
Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche salvini Salvin's Albatross [64463]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche steadi White-capped Albatross [64462]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only
Turnix melanogaster Black-breasted Button-quail [923]	Vulnerable	Species or species habitat likely to occur within area	In feature area
FISH			
Epinephelus daemelii Black Rockcod, Black Cod, Saddled Rockcod [68449]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Neoceratodus forsteri Australian Lungfish, Queensland Lungfish [67620]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Thunnus maccoyii Southern Bluefin Tuna [69402]	Conservation Dependent	Species or species habitat likely to occur within area	In buffer area only
FROG			
Mixophyes fleayi Fleay's Frog [25960]	Endangered	Species or species habitat may occur within area	In feature area
INSECT			
Argynnis hyperbius inconstans Australian Fritillary [88056]	Critically Endangered	Species or species habitat may occur within area	In feature area
Phyllodes imperialis smithersi Pink Underwing Moth [86084]	Endangered	Species or species habitat may occur within area	In buffer area only
MAMMAL			

Scientific Name	Threatened Category	Presence Text	Buffer Status
Chalinolobus dwyeri Large-eared Pied Bat, Large Pied Bat [183]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Dasyurus hallucatus Northern Quoll, Digul [Gogo-Yimidir], Wijingadda [Dambimangari], Wiminji [Martu] [331]	Endangered	Species or species habitat may occur within area	In feature area
Dasyurus maculatus maculatus (SE mainland population) Spot-tailed Quoll, Spotted-tail Quoll, Tiger Quoll (southeastern mainland population) [75184]	Endangered	Species or species habitat likely to occur within area	In feature area
Petauroides volans Greater Glider [254]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Petrogale penicillata Brush-tailed Rock-wallaby [225]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Phascolarctos cinereus (combined populations of Qld, NSW and the ACT) Koala (combined populations of Queensland, New South Wales and the Australian Capital Territory) [85104]	Vulnerable	Species or species habitat known to occur within area	In feature area
Potorous tridactylus tridactylus Long-nosed Potoroo (SE Mainland) [66645]	Vulnerable	Species or species habitat may occur within area	In feature area
Pteropus poliocephalus Grey-headed Flying-fox [186]	Vulnerable	Roosting known to occur within area	In feature area
PLANT			
Arthraxon hispidus Hairy-joint Grass [9338]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Bosistoa transversa Three-leaved Bosistoa, Yellow Satinheart [16091]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Corchorus cunninghamii Native Jute [14659]	Endangered	Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Cupaniopsis shirleyana Wedge-leaf Tuckeroo [3205]	Vulnerable	Species or species habitat may occur within area	In feature area
Dichanthium setosum bluegrass [14159]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Fontainea venosa [24040]	Vulnerable	Species or species habitat may occur within area	In feature area
Macadamia integrifolia Macadamia Nut, Queensland Nut Tree, Smooth-shelled Macadamia, Bush Nut, Nut Oak [7326]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only
Macadamia tetraphylla Rough-shelled Bush Nut, Macadamia Nut, Rough-shelled Macadamia, Rough-leaved Queensland Nut [6581]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Notelaea ipsviciensis Cooneana Olive [81858]	Critically Endangered	Species or species habitat known to occur within area	In feature area
Notelaea lloydii Lloyd's Olive [15002]	Vulnerable	Species or species habitat likely to occur within area	In feature area
Plectranthus habrophyllus [64589]	Endangered	Species or species habitat likely to occur within area	In buffer area only
Rhodamnia rubescens Scrub Turpentine, Brown Malletwood [15763]	Critically Endangered	Species or species habitat may occur within area	In feature area
Rhodomyrtus psidioides Native Guava [19162]	Critically Endangered	Species or species habitat known to occur within area	In feature area
Samadera bidwillii Quassia [29708]	Vulnerable	Species or species habitat likely to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Thesium australe Austral Toadflax, Toadflax [15202]	Vulnerable	Species or species habitat likely to occur within area	In feature area
REPTILE			
Caretta caretta Loggerhead Turtle [1763]	Endangered	Species or species habitat known to occur within area	In buffer area only
Chelonia mydas Green Turtle [1765]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Delma torquata Adorned Delma, Collared Delma [1656]	Vulnerable	Species or species habitat known to occur within area	In feature area
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Species or species habitat known to occur within area	In buffer area only
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Furina dunmalli Dunmall's Snake [59254]	Vulnerable	Species or species habitat may occur within area	In feature area
Lepidochelys olivacea Olive Ridley Turtle, Pacific Ridley Turtle [1767]	Endangered	Species or species habitat known to occur within area	In buffer area only
Natator depressus Flatback Turtle [59257]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
SHARK			
Sphyrna lewini Scalloped Hammerhead [85267]	Conservation Dependent	Species or species habitat likely to occur within area	In buffer area only

Listed Migratory Species			[Resource Information]
Scientific Name	Threatened Category	Presence Text	Buffer Status
Migratory Marine Birds			

Scientific Name	Threatened Category	Presence Text	Buffer Status
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area	In feature area
Ardenna grisea Sooty Shearwater [82651]		Species or species habitat may occur within area	In buffer area only
Diomedea antipodensis Antipodean Albatross [64458]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Diomedea exulans Wandering Albatross [89223]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area	In buffer area only
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche cauta Shy Albatross [89224]	Endangered	Species or species habitat may occur within area	In buffer area only
Thalassarche eremita Chatham Albatross [64457]	Endangered	Species or species habitat may occur within area	In buffer area only
Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche salvini Salvin's Albatross [64463]	Vulnerable	Species or species habitat may occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Thalassarche steadi White-capped Albatross [64462]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only
Migratory Marine Species			
Caretta caretta Loggerhead Turtle [1763]	Endangered	Species or species habitat known to occur within area	In buffer area only
Chelonia mydas Green Turtle [1765]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Species or species habitat known to occur within area	In buffer area only
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Lepidochelys olivacea Olive Ridley Turtle, Pacific Ridley Turtle [1767]	Endangered	Species or species habitat known to occur within area	In buffer area only
Mobula alfredi as Manta alfredi Reef Manta Ray, Coastal Manta Ray [90033]		Species or species habitat may occur within area	In buffer area only
Mobula birostris as Manta birostris Giant Manta Ray [90034]		Species or species habitat may occur within area	In buffer area only
Natator depressus Flatback Turtle [59257]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Orcaella heinsohni Australian Snubfin Dolphin [81322]		Species or species habitat known to occur within area	In buffer area only
Migratory Terrestrial Species			
Cuculus optatus Oriental Cuckoo, Horsfield's Cuckoo [86651]		Species or species habitat known to occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area	In feature area
Monarcha melanopsis Black-faced Monarch [609]		Species or species habitat known to occur within area	In feature area
Motacilla flava Yellow Wagtail [644]		Species or species habitat may occur within area	In feature area
Myiagra cyanoleuca Satin Flycatcher [612]		Species or species habitat known to occur within area	In feature area
Rhipidura rufifrons Rufous Fantail [592]		Species or species habitat known to occur within area	In feature area
Symposiachrus trivirgatus as Monarcha trivirgatus Spectacled Monarch [83946]		Species or species habitat known to occur within area	In feature area
Migratory Wetlands Species			
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat known to occur within area	In feature area
Calidris acuminata Sharp-tailed Sandpiper [874]		Species or species habitat known to occur within area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area	In feature area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat known to occur within area	In feature area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat may occur within area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]		Species or species habitat known to occur within area	In feature area
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat likely to occur within area	In feature area
Pandion haliaetus Osprey [952]		Species or species habitat known to occur within area	In buffer area only
Tringa nebularia Common Greenshank, Greenshank [832]		Species or species habitat likely to occur within area	In feature area

Other Matters Protected by the EPBC Act

Listed Marine Species			[Resource Information]
Scientific Name	Threatened Category	Presence Text	Buffer Status
Bird			
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat known to occur within area	In feature area
Anseranas semipalmata Magpie Goose [978]		Species or species habitat may occur within area overfly marine area	In feature area
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area overfly marine area	In feature area
Ardenna grisea as Puffinus griseus Sooty Shearwater [82651]		Species or species habitat may occur within area	In buffer area only
Bubulcus ibis as Ardea ibis Cattle Egret [66521]		Breeding likely to occur within area overfly marine area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Calidris acuminata Sharp-tailed Sandpiper [874]		Species or species habitat known to occur within area	In feature area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area overfly marine area	In feature area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat known to occur within area overfly marine area	In feature area
Charadrius leschenaultii Greater Sand Plover, Large Sand Plover [877]	Vulnerable	Species or species habitat may occur within area	In feature area
Diomedea antipodensis Antipodean Albatross [64458]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Diomedea antipodensis gibsoni as Diomedea gibsoni Gibson's Albatross [82270]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Diomedea exulans Wandering Albatross [89223]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]		Species or species habitat known to occur within area overfly marine area	In feature area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat known to occur within area	In feature area
Hirundapus caudacutus White-throated Needletail [682]	Vulnerable	Species or species habitat known to occur within area overfly marine area	In feature area

Scientific Name	Threatened Category	Presence Text	Buffer Status
Lathamus discolor Swift Parrot [744]	Critically Endangered	Species or species habitat likely to occur within area overfly marine area	In feature area
Macronectes giganteus Southern Giant-Petrel, Southern Giant Petrel [1060]	Endangered	Species or species habitat may occur within area	In buffer area only
Macronectes halli Northern Giant Petrel [1061]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area overfly marine area	In feature area
Monarcha melanopsis Black-faced Monarch [609]		Species or species habitat known to occur within area overfly marine area	In feature area
Motacilla flava Yellow Wagtail [644]		Species or species habitat may occur within area overfly marine area	In feature area
Myiagra cyanoleuca Satin Flycatcher [612]		Species or species habitat known to occur within area overfly marine area	In feature area
Neophema chrysostoma Blue-winged Parrot [726]		Species or species habitat may occur within area overfly marine area	In buffer area only
Numenius madagascariensis Eastern Curlew, Far Eastern Curlew [847]	Critically Endangered	Species or species habitat likely to occur within area	In feature area
Pachyptila turtur Fairy Prion [1066]		Species or species habitat likely to occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Pandion haliaetus Osprey [952]		Species or species habitat known to occur within area	In buffer area only
Rhipidura rufifrons Rufous Fantail [592]		Species or species habitat known to occur within area overfly marine area	In feature area
Rostratula australis as Rostratula benghalensis (sensu lato) Australian Painted Snipe [77037]	Endangered	Species or species habitat known to occur within area overfly marine area	In feature area
Symposiachrus trivirgatus as Monarcha trivirgatus Spectacled Monarch [83946]		Species or species habitat known to occur within area overfly marine area	In feature area
Thalassarche cauta Shy Albatross [89224]	Endangered	Species or species habitat may occur within area	In buffer area only
Thalassarche eremita Chatham Albatross [64457]	Endangered	Species or species habitat may occur within area	In buffer area only
Thalassarche impavida Campbell Albatross, Campbell Black-browed Albatross [64459]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche melanophris Black-browed Albatross [66472]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche salvini Salvin's Albatross [64463]	Vulnerable	Species or species habitat may occur within area	In buffer area only
Thalassarche steadi White-capped Albatross [64462]	Vulnerable	Species or species habitat likely to occur within area	In buffer area only

Scientific Name	Threatened Category	Presence Text	Buffer Status
Tringa nebularia Common Greenshank, Greenshank [832]		Species or species habitat likely to occur within area overfly marine area	In feature area
Reptile			
Caretta caretta Loggerhead Turtle [1763]	Endangered	Species or species habitat known to occur within area	In buffer area only
Chelonia mydas Green Turtle [1765]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Dermochelys coriacea Leatherback Turtle, Leathery Turtle, Luth [1768]	Endangered	Species or species habitat known to occur within area	In buffer area only
Eretmochelys imbricata Hawksbill Turtle [1766]	Vulnerable	Species or species habitat known to occur within area	In buffer area only
Lepidochelys olivacea Olive Ridley Turtle, Pacific Ridley Turtle [1767]	Endangered	Species or species habitat known to occur within area	In buffer area only
Natator depressus Flatback Turtle [59257]	Vulnerable	Species or species habitat known to occur within area	In buffer area only

Whales and Other Cetaceans		[Resource Information]	
Current Scientific Name	Status	Type of Presence	Buffer Status
Mammal			
Orcaella heinsohni as Orcaella brevirostris Australian Snubfin Dolphin [81322]		Species or species habitat known to occur within area	In buffer area only

Extra Information

State and Territory Reserves			[Resource Information]
Protected Area Name	Reserve Type	State	Buffer Status
White Rock	Conservation Park	QLD	In buffer area only

EPBC Act Referrals				[Resource Information]
Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status
Controlled action				
Brentwood Residential Estate, Bellbird Park, Ipswich, QLD	2013/7074	Controlled Action	Post-Approval	In buffer area only
Casino Ipswich Pipeline	2007/3877	Controlled Action	Completed	In buffer area only
First Nine Master planned residential development, Brookwater, Qld	2016/7676	Controlled Action	Post-Approval	In buffer area only
Redbank Plains	2021/9065	Controlled Action	Further Information Request	In buffer area only
Residential Development, Collingwood Park, Ipswich, Qld	2019/8516	Controlled Action	Post-Approval	In feature area
Residential subdivision, Lot 901 and 902 Eugene St, Bellbird Park, Qld	2018/8350	Controlled Action	Assessment Approach	In buffer area only
Scenic Precinct Residential Development	2020/8651	Controlled Action	Further Information Request	In buffer area only
Southern Regional Water Pipeline	2006/2593	Controlled Action	Post-Approval	In buffer area only
Springfield Residential Development	2019/8575	Controlled Action	Further Information Request	In buffer area only
Spring Mountain mixed use master planned community development, Springfield, Qld	2013/7057	Controlled Action	Post-Approval	In buffer area only
Springview Village One, Springfield, Ipswich City, QLD	2014/7306	Controlled Action	Post-Approval	In buffer area only
Woodlink Residential Community, 246-326 Collingwood Drive, Collingwood Park	2013/6866	Controlled Action	Post-Approval	In feature area
Woody Weed Removal at Woogaroo Creek	2007/3760	Controlled Action	Completed	In buffer area only
Woogaroo Heights master planned residential development, Springfield, Qld	2017/7875	Controlled Action	Post-Approval	In buffer area only
Not controlled action				
Bellbird Park State High School development, Redbank Plains, Qld	2014/7323	Not Controlled Action	Completed	In buffer area only
Blackstone Power Station	2012/6252	Not Controlled Action	Completed	In buffer area only

Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status
Not controlled action				
BrisWest Holdings - Release 5 Operational Works	2021/9086	Not Controlled Action	Completed	In buffer area only
Collingwood Park stage 8 Subdivision	2011/6075	Not Controlled Action	Completed	In feature area
Fernbrooke Ridge residential estate development - Balance Land, Redbank Plains, Qld	2013/6818	Not Controlled Action	Completed	In buffer area only
Goodna and Bundamba Sewage Treatment Plant Upgrades	2010/5612	Not Controlled Action	Completed	In buffer area only
Improving rabbit biocontrol: releasing another strain of RHDV, sthrn two thirds of Australia	2015/7522	Not Controlled Action	Completed	In feature area
New motorway alignment called the Goodna Bypass	2007/3648	Not Controlled Action	Completed	In buffer area only
Northern Link Parallel Road Tunnels Project	2007/3824	Not Controlled Action	Completed	In buffer area only
REMONDIS Waste to Energy Facility	2020/8806	Not Controlled Action	Completed	In buffer area only
Removal of Grey-headed Flying-fox Habitat	2005/2284	Not Controlled Action	Completed	In buffer area only
Removal of Grey-headed Flying-fox Habitat	2005/2137	Not Controlled Action	Completed	In buffer area only
South West Transport Corridor	2006/2547	Not Controlled Action	Completed	In feature area
Streambank Rehabilitation - Removal of woody weeds	2006/2658	Not Controlled Action	Completed	In buffer area only
Swanbank Gas Fired Combined Cycle Plant	2008/4087	Not Controlled Action	Completed	In buffer area only
Swanbank Waste Management Facility Stage 1B extension Area, Qld	2015/7581	Not Controlled Action	Completed	In buffer area only
Underground Bus and Train Project, Brisbane	2013/7106	Not Controlled Action	Completed	In buffer area only
Urban Residential Development Priors Pocket Road	2012/6662	Not Controlled Action	Completed	In buffer area only
Wastewater treatment plant augmentation for Brisbane southwest region involving	2002/807	Not Controlled Action	Completed	In buffer area only
Western Corridor Recycled Water Project/Bundamba 1B AWTP and Oxley-Bundamba Pipeline	2006/3163	Not Controlled Action	Completed	In buffer area only

Title of referral	Reference	Referral Outcome	Assessment Status	Buffer Status
Not controlled action Not controlled action (particular manner)				
Construction & Operation 275/330kV Transmission Line	2006/2820	Not Controlled Action (Particular Manner)	Post-Approval	In feature area
Cross River Rail	2010/5427	Not Controlled Action (Particular Manner)	Post-Approval	In buffer area only
Paper Mill	2003/915	Not Controlled Action (Particular Manner)	Post-Approval	In buffer area only

Bioregional Assessments			
SubRegion	BioRegion	Website	Buffer Status
Clarence-Moreton	Clarence-Moreton	BA website	In feature area

Caveat

1 PURPOSE

This report is designed to assist in identifying the location of matters of national environmental significance (MNES) and other matters protected by the Environment Protection and Biodiversity Conservation Act 1999 (Cth) (EPBC Act) which may be relevant in determining obligations and requirements under the EPBC Act.

The report contains the mapped locations of:

- World and National Heritage properties;
- Wetlands of International and National Importance;
- Commonwealth and State/Territory reserves;
- distribution of listed threatened, migratory and marine species;
- listed threatened ecological communities; and
- other information that may be useful as an indicator of potential habitat value.

2 DISCLAIMER

This report is not intended to be exhaustive and should only be relied upon as a general guide as mapped data is not available for all species or ecological communities listed under the EPBC Act (see below). Persons seeking to use the information contained in this report to inform the referral of a proposed action under the EPBC Act should consider the limitations noted below and whether additional information is required to determine the existence and location of MNES and other protected matters.

Where data are available to inform the mapping of protected species, the presence type (e.g. known, likely or may occur) that can be determined from the data is indicated in general terms. It is the responsibility of any person using or relying on the information in this report to ensure that it is suitable for the circumstances of any proposed use. The Commonwealth cannot accept responsibility for the consequences of any use of the report or any part thereof. To the maximum extent allowed under governing law, the Commonwealth will not be liable for any loss or damage that may be occasioned directly or indirectly through the use of, or reliance

3 DATA SOURCES

Threatened ecological communities

For threatened ecological communities where the distribution is well known, maps are generated based on information contained in recovery plans, State vegetation maps and remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

Threatened, migratory and marine species

Threatened, migratory and marine species distributions have been discerned through a variety of methods. Where distributions are well known and if time permits, distributions are inferred from either thematic spatial data (i.e. vegetation, soils, geology, elevation, aspect, terrain, etc.) together with point locations and described habitat; or modelled (MAXENT or BIOCLIM habitat modelling) using

Where little information is available for a species or large number of maps are required in a short time-frame, maps are derived either from 0.04 or 0.02 decimal degree cells; by an automated process using polygon capture techniques (static two kilometre grid cells, alpha-hull and convex hull); or captured manually or by using topographic features (national park boundaries, islands, etc.).

In the early stages of the distribution mapping process (1999-early 2000s) distributions were defined by degree blocks, 100K or 250K map sheets to rapidly create distribution maps. More detailed distribution mapping methods are used to update these distributions

4 LIMITATIONS

The following species and ecological communities have not been mapped and do not appear in this report:

- threatened species listed as extinct or considered vagrants;
- some recently listed species and ecological communities;
- some listed migratory and listed marine species, which are not listed as threatened species; and
- migratory species that are very widespread, vagrant, or only occur in Australia in small numbers.

The following groups have been mapped, but may not cover the complete distribution of the species:

- listed migratory and/or listed marine seabirds, which are not listed as threatened, have only been mapped for recorded
- seals which have only been mapped for breeding sites near the Australian continent

The breeding sites may be important for the protection of the Commonwealth Marine environment.

Refer to the metadata for the feature group (using the Resource Information link) for the currency of the information.

Acknowledgements

This database has been compiled from a range of data sources. The department acknowledges the following custodians who have contributed valuable data and advice:

-Office of Environment and Heritage, New South Wales
-Department of Environment and Primary Industries, Victoria
-Department of Primary Industries, Parks, Water and Environment, Tasmania
-Department of Environment, Water and Natural Resources, South Australia
-Department of Land and Resource Management, Northern Territory
-Department of Environmental and Heritage Protection, Queensland
-Department of Parks and Wildlife, Western Australia
-Environment and Planning Directorate, ACT
-Birdlife Australia
-Australian Bird and Bat Banding Scheme
-Australian National Wildlife Collection
-Natural history museums of Australia
-Museum Victoria
-Australian Museum
-South Australian Museum
-Queensland Museum
-Online Zoological Collections of Australian Museums
-Queensland Herbarium
-National Herbarium of NSW
-Royal Botanic Gardens and National Herbarium of Victoria
-Tasmanian Herbarium
-State Herbarium of South Australia
-Northern Territory Herbarium
-Western Australian Herbarium
-Australian National Herbarium, Canberra
-University of New England
-Ocean Biogeographic Information System
-Australian Government, Department of Defence
Forestry Corporation, NSW
-Geoscience Australia
-CSIRO
-Australian Tropical Herbarium, Cairns
-eBird Australia
-Australian Government – Australian Antarctic Data Centre
-Museum and Art Gallery of the Northern Territory
-Australian Government National Environmental Science Program
-Australian Institute of Marine Science
-Reef Life Survey Australia
-American Museum of Natural History
-Queen Victoria Museum and Art Gallery, Inveresk, Tasmania
-Tasmanian Museum and Art Gallery, Hobart, Tasmania
-Other groups and individuals

The Department is extremely grateful to the many organisations and individuals who provided expert advice and information on numerous draft distributions.

Please feel free to provide feedback via the Contact Us page.

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8. Appendix C: WildNet Species List

Queensland Government

WildNet species list

Search Criteria: Species List for a Specified Point
Species: Animals
Type: Native
Queensland status: Rare and threatened species
Records: All
Date: Since 1980
Latitude: -27.6231
Longitude: 152.8613
Distance: 5
Email: jasmine@qfc.com.au
Date submitted: Friday 04 Feb 2022 11:53:32
Date extracted: Friday 04 Feb 2022 12:00:03

The number of records retrieved = 10

Disclaimer
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Information about your Species lists request is logged for quality assurance, user support and product enhancement purposes only.
The information provided should be appropriately acknowledged as being derived from WildNet database when it is used. As the WildNet Program is still in a process of collating and vetting data, it is possible the information given is not complete. Go to the WildNet database webpage (https://www.qld.gov.au/environment/plants-animals/species-information/wildnet) to find out more about WildNet and where to access other WildNet information products approved for publication. Feedback about WildNet species lists should be emailed to wildlife.online@des.qld.gov.au.

Kingdom	Class	Family	Scientific Name	Common Name	I	Q	A	Records
animals	amphibians	Limnodynastidae	*Adelotus brevis*	tusked frog		V		12
animals	birds	Apodidae	*Hirundapus caudacutus*	white-throated needletail		V	V	7
animals	birds	Cacatuidae	*Calyptorhynchus lathami lathami*	glossy black-cockatoo (eastern)		V		2
animals	birds	Psittacidae	*Lathamus discolor*	swift parrot		E	CE	1
animals	birds	Rostratulidae	*Rostratula australis*	Australian painted snipe		E	E	4
animals	birds	Strigidae	*Ninox strenua*	powerful owl		V		66
animals	mammals	Delphinidae	*Orcaella heinsohni*	Australian snubfin dolphin		V		1
animals	mammals	Phascolarctidae	*Phascolarctos cinereus*	koala		V	V	307
animals	mammals	Pseudocheiridae	*Petauroides armillatus*	central greater glider		E	V	10
animals	mammals	Vombatidae	*Vombatus ursinus*	common wombat		NT		1

CODES

I - Y indicates that the taxon is introduced to Queensland and has naturalised.

Q - Indicates the Queensland conservation status of each taxon under the *Nature Conservation Act 1992*.
The codes are Extinct (EX), Extinct in the Wild (PE), Critically Endangered (CR), Endangered (E), Vulnerable (V), Near Threatened (NT), Special Least Concern (SL) and Least Concern (C).

A - Indicates the Australian conservation status of each taxon under the *Environment Protection and Biodiversity Conservation Act 1999*.
The values of EPBC are Extinct (EX), Extinct in the Wild (XW), Critically Endangered (CE), Endangered (E), Vulnerable (V) and Conservation Dependent (CD).

Records - The first number indicates the total number of records of the taxon (wildlife records and species listings for selected areas).
This number is output as 99999 if it equals or exceeds this value. A second number located after a / indicates the number of specimen records for the taxon.
This number is output as 999 if it equals or exceeds this value.

QFC
QUEENSLAND FAUNA CONSULTANCY
Pty Ltd

Sep – Oct 2021

Fauna Management and Spotter/Catcher Services Report

The Pocket Stage 1 – Goss Drive, Collingwood Park

Report prepared for Shadforth Civil Pty Ltd

Report prepared by

QLD Fauna Consultancy Pty Ltd

Phone: (07) 3376 9780

Email: fauna@qfc.com.au

Date:	01/11/2021
Title:	Fauna Management and Spotter/Catcher Services Report The Pocket Stage 1 – Goss Drive, Collingwood Park
Author/s:	Bryan Robinson, Melissa Osborne
Reviewed by:	Jasmine Zeleny
Field personnel:	Ashley Cox, Rebecca Turk, Christian McDonald, Jaedon Lunt, Deirdre Ng Sing Kwong, Rebecca Bennett, Rebecca Ferris
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Contents

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1 Introduction

Qld Fauna Consultancy Pty Ltd has been engaged by Shadforth Civil Pty Ltd to conduct Fauna Spotter/Catcher and Fauna Management activities for works at The Pocket Stage 1 – Goss Drive, Collingwood Park.

All activities were conducted under the provisions of Rehabilitation Permit (WA0026789) issued to Queensland Fauna Consultancy Pty Ltd by the Department of Environment and Science (DES), approving the observation and relocation of protected animals.

This report covers clearance activities undertaken in September & October 2021.

2 Methodology

2.1 Clearance Investigations

A standard set of observational and active searching techniques were employed each day of clearance to ascertain and identify existing fauna values for each location. These include:

- Assessment of terrestrial microhabitats such as ground hollows, rock, burrows, leaf litter, fallen branches and bark exfoliations,
- Observation and assessment of occupancy of arboreal microhabitats such as tree hollows, fissures and exfoliations,
- Direct observation of active or exposed fauna,
- Identification of scats, tracks and scratchings to determine fauna present on the site.

All microhabitats were identified and subsequently inspected during clearance.

2.2 Specific methodology for Koalas *Phascolarctos cinereus*

Due to the specific requirements relating to the Koala the following techniques were employed at the clearance site to ascertain presence/absence status:

- Use of binoculars to inspect the crown, forks and trunk of trees;
- 'Drip zone' searches at the base of known food trees for the presence of scats to a radius equal to that of the crown of individual trees;
- Inspection of trunks for scratchings indicative of use by Koalas.

Recent changes to Koala management strategies highlighted in the *Nature Conservation (Koala) Conservation Plan 2017* have resulted in particular conditions placed on vegetation clearance involving the removal of Koala food trees.

Further provisions include the restriction of all clearance that may directly interfere with the tree a Koala is residing in. Koalas are to leave via their own volition and may not be interfered with by any means. Only when Koalas have vacated a tree can clearance operations include the host tree and surrounding vegetation.

2.3 Felling Procedures

Trees identified as having potential fauna values (such as hollows, fissures and exfoliating bark) were clearly marked for supervision during felling and inspected once felled. Efforts were made to determine potentially occupant species by way of investigations for indicative signs (scats, scratchings and tracks). Where no signs were found or occupant species undeterminable, machinery operators were instructed to fell trees in a manner directed at minimising the potential risk of injury to fauna.

Limbs were inspected and the direction of felling determined with regards to safety of both machinery and operators. Considerations to potentially occupant fauna were assessed and felling procedures formulated. Felling procedures may have included the following techniques:

- Machinery blades were utilised to shake the tree in an attempt to disturb fauna out of hollows or fissures to determine species present.
- If fauna were present, the tree was either left standing overnight to allow the occupant animal(s) time to leave via their own volition, or if species detected were able to be encouraged from the tree by shaking or direct capture by a wildlife spotter(s). The tree was felled with considerations to potentially undetected fauna.
- Where possible potentially occupied trees were felled with the identified microhabitat receiving minimal contact on impact.
- Adjacent felled trees were utilised to absorb the impact of potential fauna bearing trees.

2.4 Communications during Clearance

Each spotter/catcher was equipped with a hand held radio to make positive communications with machinery operators. Communications by radio and positive hand signals were utilised to indicate intentions to machinery operators.

3 Results

The following daily inventory details fauna-based investigation results for the clearing area. Inspection activities, location, habitat values and fauna found are documented where required. Refer to Appendix A for fauna photos.

Thursday 16th September 2021

- Pre-clearance activities carried out (refer to Methodology) at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Vegetation clearance carried out at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Refer to **Fauna Register** for fauna found
- 3 trees flagged
- One personnel in attendance

Arboreal Microhabitats: No. flagged tree/s felled: 0 Nest (N) ☐Y ☒N Hollows (H) ☐Y ☒N Arboreal termitaria (ATM) ☒Y ☐N Other: Exfoliating bark No. & size of hollow/s (mm): 0
Terrestrial Microhabitats: Hollow logs ☒Y ☐N Woody debris ☒Y ☐N Rock piles ☒Y ☐N Burrows ☒Y ☐N Other: Dense leaf litter, Bark exfoliations, Terrestrial termitaria, Artificial debris
Aquatic habitat/s: Dam ☐Y ☒N Creek (dry) ☒Y ☐N Wetland ☐Y ☒N

Friday 17th September 2021

- Pre-clearance activities carried out (refer to Methodology) at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Vegetation clearance carried out at The Pocket Stage 1 – Goss Drive, Collingwood Park
- 2 trees flagged
- One personnel in attendance

Arboreal Microhabitats: No. flagged tree/s felled: 2 Nest (N) ☐Y ☒N Hollows (H) ☐Y ☒N Arboreal termitaria (ATM) ☒Y ☐N Other: Exfoliating bark No. & size of hollow/s (mm): 0
Terrestrial Microhabitats: Hollow logs ☒Y ☐N Woody debris ☒Y ☐N Rock piles ☒Y ☐N Burrows ☒Y ☐N Other: Timber stockpiles, Bark exfoliations, Dense leaf litter, Terrestrial termitaria, Artificial debris
Aquatic habitat/s: Dam ☐Y ☒N Creek (dry) ☒Y ☐N Wetland ☐Y ☒N
No Fauna Found

Wednesday 22nd September 2021

- Pre-clearance activities carried out (refer to Methodology) at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Vegetation clearance carried out at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Refer to **Fauna Register** for fauna found
- 3 trees flagged
- One personnel in attendance

Arboreal Microhabitats: No. flagged tree/s felled: 2 Nest (N) ☐Y ☒N Hollows (H) ☐Y ☒N Arboreal termitaria (ATM) ☐Y ☒N Other: Dead stag No. & size of hollow/s (mm): 0
Terrestrial Microhabitats: Hollow logs ☐Y ☒N Woody debris ☒Y ☐N Rock piles ☐Y ☒N Burrows ☐Y ☒N Other: Dense leaf litter, Bark exfoliations, Terrestrial termitaria, Artificial debris
Aquatic habitat/s: Dam ☐Y ☒N Creek ☐Y ☒N Wetland ☐Y ☒N Other: Gully

Thursday 23rd September 2021

- Pre-clearance activities carried out (refer to Methodology) at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Vegetation clearance carried out at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Refer to **Fauna Register** for fauna found
- 5 trees flagged
- One personnel in attendance

Arboreal Microhabitats: No. flagged tree/s felled: 5 Nest (N) ☒Y ☐N Hollows (H) ☐Y ☒N Arboreal termitaria (ATM) ☒Y ☐N No. & size of hollow/s (mm): 0
Terrestrial Microhabitats: Hollow logs ☒Y ☐N Woody debris ☒Y ☐N Rock piles ☐Y ☒N Burrows ☐Y ☒N Other: Dense leaf litter, Bark exfoliations, Artificial debris
Aquatic habitat/s: Dam ☐Y ☒N Creek ☐Y ☒N Wetland ☐Y ☒N Other: Gully

Friday 24th September 2021

- Pre-clearance activities carried out (refer to Methodology) at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Vegetation clearance carried out at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Refer to **Fauna Register** for fauna found
- 5 trees flagged
- One personnel in attendance

Arboreal Microhabitats: No. flagged tree/s felled: 5 Nest (N) ☒Y ☐N Hollows (H) ☐Y ☒N Arboreal termitaria (ATM) ☒Y ☐N Other: Exfoliating bark No. & size of hollow/s (mm): 0
Terrestrial Microhabitats: Hollow logs ☐Y ☒N Woody debris ☒Y ☐N Rock piles ☐Y ☒N Burrows ☐Y ☒N Other: Dense leaf litter, Bark exfoliations, Artificial debris, Timber stockpiles
Aquatic habitat/s: Dam ☐Y ☒N Creek ☐Y ☒N Wetland ☐Y ☒N

Monday 27th September 2021

- Pre-clearance activities carried out (refer to Methodology) at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Vegetation clearance carried out at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Refer to **Fauna Register** for fauna found
- 7 trees flagged
- One personnel in attendance

Arboreal Microhabitats: No. flagged tree/s felled: 5 Nest (N) ☒Y ☐N Hollows (H) ☐Y ☒N Arboreal termitaria (ATM) ☒Y ☐N Other: Exfoliating bark No. & size of hollow/s (mm): 0
Terrestrial Microhabitats: Hollow logs ☒Y ☐N Woody debris ☒Y ☐N Rock piles ☒Y ☐N Burrows ☐Y ☒N Other: Bark exfoliations, Artificial debris, Terrestrial termitaria
Aquatic habitat/s: Dam ☐Y ☒N Creek ☐Y ☒N Wetland ☐Y ☒N Other: Gully (dry)

Tuesday 28th September 2021

- Pre-clearance activities carried out (refer to Methodology) at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Vegetation clearance carried out at The Pocket Stage 1 – Goss Drive, Collingwood Park
- 0 trees flagged
- One personnel in attendance

Arboreal Microhabitats: No. flagged tree/s felled: 0 Nest (N) ☐Y ☒N Hollows (H) ☐Y ☒N Arboreal termitaria (ATM) ☐Y ☒N Other: Exfoliating bark No. & size of hollow/s (mm): 0
Terrestrial Microhabitats: Hollow logs ☐Y ☒N Woody debris ☒Y ☐N Rock piles ☒Y ☐N Burrows ☐Y ☒N Other: Bark exfoliations, Artificial debris, Dense leaf litter
Aquatic habitat/s: Dam ☐Y ☒N Creek ☐Y ☒N Wetland ☐Y ☒N
No Fauna Found

Thursday 30th September 2021

- Pre-clearance activities carried out (refer to Methodology) at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Vegetation clearance carried out at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Refer to **Fauna Register** for fauna found
- 0 trees flagged
- One personnel in attendance

Arboreal Microhabitats: No. flagged tree/s felled: 0 Nest (N) ☐Y ☒N Hollows (H) ☐Y ☒N Arboreal termitaria (ATM) ☒Y ☐N Other: Exfoliating bark No. & size of hollow/s (mm): 0
Terrestrial Microhabitats: Hollow logs ☐Y ☒N Woody debris ☒Y ☐N Rock piles ☒Y ☐N Burrows ☐Y ☒N Other: Bark exfoliations, Dense leaf litter, Terrestrial termitaria
Aquatic habitat/s: Dam ☐Y ☒N Creek (dry) ☒Y ☐N Wetland ☐Y ☒N

Friday 1st October 2021

- Pre-clearance activities carried out (refer to Methodology) at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Vegetation clearance carried out at The Pocket Stage 1 – Goss Drive, Collingwood Park
- 0 trees flagged
- One personnel in attendance

Arboreal Microhabitats: No. flagged tree/s felled: 0 Nest (N) ☐Y ☒N Hollows (H) ☐Y ☒N Arboreal termitaria (ATM) ☐Y ☒N Other: Exfoliating bark No. & size of hollow/s (mm): 0
Terrestrial Microhabitats: Hollow logs ☐Y ☒N Woody debris ☒Y ☐N Rock piles ☐Y ☒N Burrows ☐Y ☒N Other: Bark exfoliations, Dense leaf litter, Terrestrial termitaria, Artificial debris
Aquatic habitat/s: Dam ☐Y ☒N Creek ☐Y ☒N Wetland ☐Y ☒N
No Fauna Found

Tuesday 5th October 2021

- Pre-clearance activities carried out (refer to Methodology) at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Vegetation clearance carried out at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Refer to **Fauna Register** for fauna found
- 5 trees flagged
- One personnel in attendance

Arboreal Microhabitats: No. flagged tree/s felled: 5 Nest (N) ☐Y ☒N Hollows (H) ☐Y ☒N Arboreal termitaria (ATM) ☒Y ☐N Other: Exfoliating bark, Fissure No. & size of hollow/s (mm): 0
Terrestrial Microhabitats: Hollow logs ☐Y ☒N Woody debris ☒Y ☐N Rock piles ☒Y ☐N Burrows ☒Y ☐N Other: Bark exfoliations, Dense leaf litter, Terrestrial termitaria, Artificial debris
Aquatic habitat/s: Dam ☐Y ☒N Creek ☐Y ☒N Wetland ☐Y ☒N Other: Gully (dry)

Wednesday 6th October 2021

- Pre-clearance activities carried out (refer to Methodology) at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Vegetation clearance carried out at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Refer to **Fauna Register** for fauna found
- 7 trees flagged
- One personnel in attendance

Arboreal Microhabitats: No. flagged tree/s felled: 5 Nest (N) ☐Y ☒N Hollows (H) ☐Y ☒N Arboreal termitaria (ATM) ☒Y ☐N Other: Exfoliating bark No. & size of hollow/s (mm): 0
Terrestrial Microhabitats: Hollow logs ☒Y ☐N Woody debris ☐Y ☒N Rock piles ☐Y ☒N Burrows ☐Y ☒N Other: Bark exfoliations, Terrestrial termitaria, Artificial debris
Aquatic habitat/s: Dam ☐Y ☒N Creek ☐Y ☒N Wetland ☐Y ☒N Other: Gully (dry)

Thursday 7th October 2021

- Pre-clearance activities carried out (refer to Methodology) at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Vegetation clearance carried out at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Refer to **Fauna Register** for fauna found
- 6 trees flagged
- One personnel in attendance

Arboreal Microhabitats: No. flagged tree/s felled: 3 Nest (N) ☐Y ☒N Hollows (H) ☒Y ☐N Arboreal termitaria (ATM) ☒Y ☐N Other: Exfoliating bark No. & size of hollow/s (mm): 0-49: 1, 50-99: 1
Terrestrial Microhabitats: Hollow logs ☒Y ☐N Woody debris ☒Y ☐N Rock piles ☐Y ☒N Burrows ☐Y ☒N Other: Bark exfoliations, Timber stockpiles, Artificial debris
Aquatic habitat/s: Dam ☐Y ☒N Creek ☐Y ☒N Wetland ☐Y ☒N

Friday 8th October 2021

- Pre-clearance activities carried out (refer to Methodology) at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Vegetation clearance carried out at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Refer to **Fauna Register** for fauna found
- 11 trees flagged
- One personnel in attendance

Arboreal Microhabitats: No. flagged tree/s felled: 11 Nest (N) ☒Y ☐N Hollows (H) ☒Y ☐N Arboreal termitaria (ATM) ☒Y ☐N Other: Exfoliating bark, Native bee hive No. & size of hollow/s (mm): 0-49: 2
Terrestrial Microhabitats: Hollow logs ☐Y ☒N Woody debris ☒Y ☐N Rock piles ☐Y ☒N Burrows ☐Y ☒N Other: Bark exfoliations, Dense leaf litter, Artificial debris
Aquatic habitat/s: Dam ☐Y ☒N Creek ☐Y ☒N Wetland ☐Y ☒N

Monday 11th October 2021

- Pre-clearance activities carried out (refer to Methodology) at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Vegetation clearance carried out at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Refer to **Fauna Register** for fauna found
- 16 trees flagged
- One personnel in attendance

Arboreal Microhabitats: No. flagged tree/s felled: 16 Nest (N) ☐Y ☒N Hollows (H) ☒Y ☐N Arboreal termitaria (ATM) ☒Y ☐N Other: Exfoliating bark No. & size of hollow/s (mm): 0-49: 11, 50-99: 6, 100-149: 4, 150-199: 4, 200-249: 1, 250-299: 1
Terrestrial Microhabitats: Hollow logs ☒Y ☐N Woody debris ☒Y ☐N Rock piles ☒Y ☐N Burrows ☐Y ☒N Other: Bark exfoliations, Dense leaf litter
Aquatic habitat/s: Dam ☐Y ☒N Creek ☐Y ☒N Wetland ☐Y ☒N Other: Gully (dry)

Tuesday 12th October 2021

- Pre-clearance activities carried out (refer to Methodology) at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Vegetation clearance carried out at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Refer to **Fauna Register** for fauna found
- 8 trees flagged
- One personnel in attendance

Arboreal Microhabitats: No. flagged tree/s felled: 8 Nest (N) ☐Y ☒N Hollows (H) ☒Y ☐N Arboreal termitaria (ATM) ☒Y ☐N Other: Exfoliating bark No. & size of hollow/s (mm): 0-49: 1, 50-99: 2, 100-149: 1, 150-199: 2
Terrestrial Microhabitats: Hollow logs ☐Y ☒N Woody debris ☒Y ☐N Rock piles ☐Y ☒N Burrows ☐Y ☒N Other: Bark exfoliations, Dense leaf litter
Aquatic habitat/s: Dam ☐Y ☒N Creek ☐Y ☒N Wetland ☐Y ☒N Other: Gully (dry)

Wednesday 13th October 2021

- Pre-clearance activities carried out (refer to Methodology) at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Vegetation clearance carried out at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Refer to **Fauna Register** for fauna found
- 2 trees flagged
- One personnel in attendance

Arboreal Microhabitats: No. flagged tree/s felled: 5 Nest (N) ☒Y ☐N Hollows (H) ☒Y ☐N Arboreal termitaria (ATM) ☒Y ☐N Other: Exfoliating bark No. & size of hollow/s (mm): 0-49: 2, 50-99: 2, 100-149: 1
Terrestrial Microhabitats: Hollow logs ☐Y ☒N Woody debris ☒Y ☐N Rock piles ☐Y ☒N Burrows ☐Y ☒N Other: Dense leaf litter
Aquatic habitat/s: Dam ☐Y ☒N Creek ☐Y ☒N Wetland ☐Y ☒N

Friday 15th October 2021

- Pre-clearance activities carried out (refer to Methodology) at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Vegetation clearance carried out at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Refer to **Fauna Register** for fauna found
- 21 trees flagged
- Two personnel in attendance

Arboreal Microhabitats: No. flagged tree/s felled: 8 Nest (N) ☒Y ☐N Hollows (H) ☒Y ☐N Arboreal termitaria (ATM) ☒Y ☐N Other: Exfoliating bark, Fissure No. & size of hollow/s (mm): 0-49: 4, 50-99: 7, 100-149: 2, 150-199: 1
Terrestrial Microhabitats: Hollow logs ☒Y ☐N Woody debris ☒Y ☐N Rock piles ☒Y ☐N Burrows ☐Y ☒N Other: Bark exfoliations, Dense leaf litter, Artificial debris, Terrestrial termitaria, Timber stockpiles
Aquatic habitat/s: Dam ☐Y ☒N Creek ☐Y ☒N Wetland ☐Y ☒N Other: Gully (dry)

Monday 18th October 2021

- Pre-clearance activities carried out (refer to Methodology) at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Vegetation clearance carried out at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Refer to **Fauna Register** for fauna found
- 0 trees flagged
- One personnel in attendance

Arboreal Microhabitats: No. flagged tree/s felled: 0 Nest (N) ☐Y ☒N Hollows (H) ☐Y ☒N Arboreal termitaria (ATM) ☒Y ☐N Other: Exfoliating bark No. & size of hollow/s (mm):
Terrestrial Microhabitats: Hollow logs ☐Y ☒N Woody debris ☒Y ☐N Rock piles ☐Y ☒N Burrows ☐Y ☒N Other: Dense leaf litter, artificial debris, bark exfoliations
Aquatic habitat/s: Dam ☐Y ☒N Creek ☐Y ☒N Wetland ☐Y ☒N
No Fauna Found

Wednesday 20th October 2021

- Pre-clearance activities carried out (refer to Methodology) at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Vegetation clearance carried out at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Refer to **Fauna Register** for fauna found
- 0 trees flagged
- One personnel in attendance

Arboreal Microhabitats: No. flagged tree/s felled: 4 Nest (N) ☒Y ☐N Hollows (H) ☒Y ☐N Arboreal termitaria (ATM) ☐Y ☒N Other: Exfoliating bark No. & size of hollow/s (mm): 0-49: 2, 50-99: 1
Terrestrial Microhabitats: Hollow logs ☐Y ☒N Woody debris ☒Y ☐N Rock piles ☐Y ☒N Burrows ☒Y ☐N Other: Dense leaf litter
Aquatic habitat/s: Dam ☐Y ☒N Creek (dry) ☒Y ☐N Wetland ☐Y ☒N

Thursday 21st October 2021

- Pre-clearance activities carried out (refer to Methodology) at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Vegetation clearance carried out at The Pocket Stage 1 – Goss Drive, Collingwood Park
- Refer to **Fauna Register** for fauna found
- 5 trees flagged
- One personnel in attendance

Arboreal Microhabitats: No. flagged tree/s felled: 5 Nest (N) ☐Y ☒N Hollows (H) ☐Y ☒N Arboreal termitaria (ATM) ☒Y ☐N Other: Exfoliating bark No. & size of hollow/s (mm): 0
Terrestrial Microhabitats: Hollow logs ☐Y ☒N Woody debris ☐Y ☒N Rock piles ☒Y ☐N Burrows ☐Y ☒N Other: Bark exfoliations
Aquatic habitat/s: Dam ☐Y ☒N Creek ☐Y ☒N Wetland ☐Y ☒N Other: Gully (dry)

4 Fauna Register

				Capture Location						Release Details			Actions					
Collectors Name	**Date**	**Time**	**Capture Location**	**Latitude**	**Longitude**	**Count Type**	**Status**	***Common Name - Scientific Name***	**Count**	**Date**	**Latitude**	**Longitude**	**R1**	**R2**	**D**	**I**	**Release Location Description**	**Comments**
Ashley Cox	16/09/2021	09:51	Goss Dr, Collingwood Park	-27.6221	152.8592	Alive	Least Concern	Eastern Bearded Dragon *Pogona barbata*	1	16/09/2021	-27.6219	152.8591	X				Fallen log in adjacent habitat	
Rebecca Turk	22/09/2021	11:20	Goss Dr, Collingwood Park	-27.6209	152.8585	Alive	Vulnerable	Koala *Phascolarctos cinereus*	1	16/09/2021	NA	NA				X	NA	1 x adult on very edge of clearing zone. Tree was flagged, exclusion zone established, and operator was notified. Left for self-relocation and monitored.
Rebecca Turk	22/09/2021	13:38	Goss Dr, Collingwood Park	-27.6202	152.8597	Alive	Least Concern	Eastern Bearded Dragon *Pogona barbata*	1	22/09/2021	-27.6226	152.8583	X				Rocks with woody debris and thick terrestrial layer at back of Tree Protection Zone	

Rebecca Turk	22/09/2021	16:26	Goss Dr, Collingwood Park	-27.6200	152.8596	Alive	Least Concern	Striped Marsh Frog *Limnodynastes peronii*	1	22/09/2021	-27.6189	152.8609	X				Grass alongside creek across from site	
Rebecca Turk	22/09/2021	16:50	Goss Dr, Collingwood Park	-27.6199	152.8596	Alive	Least Concern	Common Brushtail Possum *Trichosurus vulpecula*	3	22/09/2021	-27.6188	152.8607	X				On *Melaleuca* with thick cover	2 x adults fled immediately, 1 x young adult was captured and relocated
Rebecca Turk	23/09/2021	08:12	Goss Dr, Collingwood Park	-27.6200	152.8590	Alive	Least Concern	Tawny Frogmouth *Podargus strigoides*	2	22/09/2021	NA	NA	X				Self-relocated	2 x adults. Tree was flagged and not felled this day.
Rebecca Turk	23/09/2021	12:29	Goss Dr, Collingwood Park	-27.6200	152.8599	Alive	Least Concern	Striped Marsh Frog *Limnodynastes peronii*	1	23/09/2021	-27.6190	152.8609	X				Grass alongside creek across from site	
Rebecca Turk	23/09/2021	14:16	Goss Dr, Collingwood Park	-27.6200	152.8596	Alive	Least Concern	Water Dragon *Intellagama lesueurii*	1	23/09/2021	-27.6190	152.8609	X				Tree next to creek across from site	
Rebecca Turk	23/09/2021	14:31	Goss Dr, Collingwood Park	-27.6200	152.8597	Alive	Least Concern	Striped Marsh Frog *Limnodynastes peronii*	1	23/09/2021	-27.6189	152.8609	X				Grass alongside creek across from site	

Rebecca Turk	23/09/2021	16:07	Goss Dr, Collingwood Park	-27.6201	152.8593	Alive	Least Concern	Striped Marsh Frog *Limnodynastes peronii*	1	23/09/2021	-27.6190	152.8607	X				Grass alongside creek across from site	
Christian McDonald	24/09/2021	06:50	Goss Dr, Collingwood Park	-27.6203	152.8589	Alive	Least Concern	Eastern Bearded Dragon *Pogona barbata*	1	24/09/2021	-27.6199	152.8582	X				On ground with tree cover	
Christian McDonald	24/09/2021	13:45	Goss Dr, Collingwood Park	-27.6200	152.8589	Alive	Least Concern	Common Brushtail Possum *Trichosurus vulpecula*	1	24/09/2021	-27.6198	152.8591	X				Moved to designated felled tree area inside rotting tree and left to self-relocate	1 x mother and 1 x juvenile found in 300+mm hollow of rotting tree. It was unsafe to remove the pair and so the tree they were in was moved with the possums inside.
Christian McDonald	24/09/2021	14:01	Goss Dr, Collingwood Park	-27.6199	152.8591	Euthanised	Introduced	Black Rat (intr.) *Rattus rattus*	1	NA	NA	NA			X		NA	Euthanised due to pest status
Christian McDonald	24/09/2021	15:19	Goss Dr, Collingwood Park	-27.6197	152.8592	Alive	Least Concern	Tawny Frogmouth *Podargus strigoides*	2	24/09/2021	NA	NA	X				Self-relocated into nearby vegetation	

Jaedon Lunt	27/09/2021	07:30	Goss Dr, Collingwood Park	-27.6226	152.8604	Alive	Least Concern	Lively Rainbow Skink *Carlia vivax*	1	27/09/2021	-27.6228	162.8606	X				Onto log	
Jaedon Lunt	27/09/2021	08:00	Goss Dr, Collingwood Park	-27.6229	152.8603	Alive	Least Concern	Lively Rainbow Skink *Carlia vivax*	1	27/09/2021	-27.6231	162.8605	X				Onto log	
Deirdre Ng Sing Kwong	30/09/2021	12:04	Goss Dr, Collingwood Park	-27.6203	152.8579	Alive	Least Concern	Eastern Bearded Dragon *Pogona barbata*	1	30/09/2021	-27.6197	152.8604	X				At base of tree near creekline	
Rebecca Bennett	05/10/2021	09:53	Goss Dr, Collingwood Park	-27.6209	152.8596	Alive	Least Concern	Common Brushtail Possum *Trichosurus vulpecula*	1	NA	NA	NA		V			NA	Found half buried in a pile of decomposed mulch. Had blood in one ear so was picked up by a Wildcare carer and taken to vet
Rebecca Bennett	05/10/2021	13:03	Goss Dr, Collingwood Park	-27.6210	152.8598	Alive	Least Concern	Common Brushtail Possum *Trichosurus vulpecula*	2	05/10/2021	-27.6212	152.8595	X				Into hollow log in tree protection zone	Mother and pouch young
Jaedon Lunt	06/10/2021	13:19	Goss Dr, Collingwood Park	-27.6222	152.8597	Alive	Least Concern	Red-bellied Black Snake *Pseudechis porphyriacus*	1	06/10/2021	-27.6644	152.8678	X				Long grass next to waterway	

Jaedon Lunt	06/10/2021	15:55	Goss Dr, Collingwood Park	-27.6221	152.8598	Alive	Least Concern	Native Bee Hive (*Tetragonula sp.)*	1	NA	NA	NA				X	NA	Found in 50-99mm hollow next to exclusion zone – will be removed on Friday with a digger
Jaedon Lunt	06/10/2021	16:11	Goss Dr, Collingwood Park	-27.6222	152.8599	Alive	Least Concern	Dubious Dtella *Gehyra dubia*	3	06/10/2021	-27.6418	152.8442	X				Behind exfoliating bark	
Deirdre Ng Sing Kwong	07/10/2021	09:41	Goss Dr, Collingwood Park	-27.6202	152.8609	Alive	Least Concern	Common Brushtail Possum *Trichosurus vulpecula*	1	NA	NA	NA	X				Self-relocated	Mother and pouch young went up tree with hollow branch that will be left standing overnight
Rebecca Turk	08/10/2021	08:03	Goss Dr, Collingwood Park	-27.6208	152.8599	Alive	Least Concern	Robust Velvet Gecko *Nebulifera robusta*	1	08/10/2021	-27.6218	152.8592	X				Into exfoliated bark at base of gum tree in tree protected zone	
Rebecca Bennett	11/10/2021	07:15	Goss Dr, Collingwood Park	-27.6219	152.8591	Alive	Least Concern	Eastern Bearded Dragon *Pogona barbata*	1	NA	NA	NA		V			NA	Infected tail injury. Transported to RSPCA Hospital by Wildcare
Rebecca Bennett	11/10/2021	07:46	Goss Dr, Collingwood Park	-27.6223	152.8595	Alive	Least Concern	Dubious Dtella *Gehyra dubia*	1	11/10/2021	-27.6223	152.8592	X				Under bark on tree	

Rebecca Bennett	11/10/2021	08:32	Goss Dr, Collingwood Park	-27.6223	152.8595	Alive	Least Concern	Common Brushtail Possum *Trichosurus vulpecula*	2	NA	NA	NA	X				Self-relocated	Mother and pouch young found in 150-199mm hollow. Unable to retrieve from hollow. Left to self-relocate overnight.
Rebecca Bennett	11/10/2021	09:08	Goss Dr, Collingwood Park	-27.6224	152.8594	Alive	Least Concern	Unidentified Microbat	1	NA	NA	NA	X				Self-relocated to another tree	
Rebecca Bennett	11/10/2021	09:30	Goss Dr, Collingwood Park	-27.6223	152.8592	Alive	Least Concern	Squirrel Glider *Petaurus norfolcensis*	6	11/10/2021	-27.6236	152.8658	X				Onto tree with hollows	5 gliders with 1 pouch young found in 100-149mm hollow, Released at dusk.
Rebecca Bennett	11/10/2021	13:20	Goss Dr, Collingwood Park	-27.6223	152.8592	Alive	Least Concern	Common Brushtail Possum *Trichosurus vulpecula*	2	11/10/2021	-27.6241	152.8664	X				Into dense vegetation at dusk	1 female and at foot young
Rebecca Turk	12/10/2021	08:28	Goss Dr, Collingwood Park	-27.6227	152.8585	Alive	Least Concern	Common Brushtail Possum *Trichosurus vulpecula*	2	12/10/2021	-27.6223	152.8585	X				Base of tree in tree protection zone	1 x adult and 1 x juvenile found in 150-199mm hollow. Adult fled into TPZ, juvenile was captured and released at dusk to be reunited.

Rebecca Turk	12/10/2021	11:16	Goss Dr, Collingwood Park	-27.6227	152.8586	Alive	Least Concern	Squirrel Glider *Petaurus norfolcensis*	3	12/10/2021	-27.6225	152.8583	X				Base of tree with hollows in tree protection zone	2 x adults, 1 x juvenile found in 50-99mm hollow. 2 captured, 1 fled. Released into TPZ at end of day in hopes of reunion.
Rebecca Turk	12/10/2021	15:25	Goss Dr, Collingwood Park	-27.6229	152.8580	Alive	Least Concern	Dubious Dtella *Gehyra dubia*	3	12/10/2021	-27.6224	152.8580	X				Leaf litter at base of dead tree in TPZ	
Jason Raguse	13/10/2021	07:37	Goss Dr, Collingwood Park	-27.6232	152.8579	Alive	Least Concern	Eastern Bearded Dragon *Pogona barbata*	1	13/10/2021	-27.6245	152.8593	X				Onto log	
Jason Raguse	13/10/2021	10:33	Goss Dr, Collingwood Park	-27.6237	152.8586	Alive	Least Concern	Yellow-faced Whipsnake *Demansia psammophis*	1	13/10/2021	-27.6248	152.8594	X				Under log	
Jason Raguse	13/10/2021	12:49	Goss Dr, Collingwood Park	-27.6237	152.8585	Deceased	Least Concern	Pied Butcherbird *Cracticus nigrogularis*	2	13/10/2021	NA	NA			X			2 x nestlings
Jason Raguse	13/10/2021	13:29	Goss Dr, Collingwood Park	-27.6239	152.8584	Alive	Least Concern	Rainbow Lorikeet *Trichoglossus haematodus*	1	13/10/2021	NA	NA		C				1x fledgling found on ground. Taken to carer Anne (Veronica Street, Gailes).

Christian McDonald	15/10/2021	10:00	Goss Dr, Collingwood Park	-27.6229	152.8589	Deceased	Least Concern	Green Tree Snake *Dendrelaphis punctulata*	1	NA	NA	NA			X		NA	Found after operator moved large boulder out of the ground.
Christian McDonald	15/10/2021	13:20	Goss Dr, Collingwood Park	-27.6225	152.8585	Alive	Least Concern	Common Brushtail Possum *Trichosurus vulpecula*	1	NA	NA	NA			X		Self-relocated to TPZ nearby	
Jaedon Lunt	15/10/2021	07:46	Goss Dr, Collingwood Park	-27.6235	152.8591	Alive	Least Concern	Common Tree Snake *Dendrelaphis punctulata*	1	15/10/2021	-27.6240	152.8595	X				Onto young tree in adjacent habitat	
Jaedon Lunt	15/10/2021	08:03	Goss Dr, Collingwood Park	-27.6236	152.8593	Alive	Least Concern	Dubious Dtella *Gehyra dubia*	2	15/10/2021	-27.6240	152.8594	X				Under bark of tree	
Jaedon Lunt	15/10/2021	08:48	Goss Dr, Collingwood Park	-27.6236	152.8594	Alive	Least Concern	Dubious Dtella *Gehyra dubia*	1	15/10/2021	-27.6237	152.8595	X				Next to tree in exclusion zone	Found on dead branch, moved branch into exclusion zone.
Jaedon Lunt	15/10/2021	09:15	Goss Dr, Collingwood Park	-27.6235	152.8594	Alive	Least Concern	Common Brushtail Possum Trichosurus vulpecula	1	15/10/2021	-27.6243	152.8594	X				On ground next to tree in adjacent habitat	Found in 50-99mm hollow
Jaedon Lunt	15/10/2021	09:15	Goss Dr, Collingwood Park	-27.6235	152.8594	Alive	Least Concern	Common Brushtail Possum Trichosurus vulpecula	1	15/10/2021	-27.6243	152.8594	X				On ground next to tree in adjacent habitat	Found in 50-99mm hollow

Jaedon Lunt	15/10/2021	09:50	Goss Dr, Collingwood Park	-27.6234	152.8591	Alive	Least Concern	Dubious Dtella *Gehyra dubia*	2	15/10/2021	-27.6243	152.8587	X				Into hollow log	
Jaedon Lunt	15/10/2021	10:08	Goss Dr, Collingwood Park	-27.6232	152.8590	Alive	Least Concern	Native Bee Hive (*Tetragonula sp.*)	1	15/10/2021	-27.6223	152.8585	X				Into hollow log	Hive was found broken. Hive remains were place in hollow log which was stood up on an angle.
Jaedon Lunt	15/10/2021	10:19	Goss Dr, Collingwood Park	-27.6223	152.8585	Alive	Least Concern	Eastern Bearded Dragon *Pogona barbata*	1	15/10/2021	-27.6239	152.8588	X				Onto tree outside of exclusion zone	
Jaedon Lunt	15/10/2021	12:13	Goss Dr, Collingwood Park	-27.6238	152.8581	Alive	Least Concern	Dubious Dtella *Gehyra dubia*	5	15/10/2021	-27.6242	152.8584	X				Into hollow log	
Jaedon Lunt	15/10/2021	12:28	Goss Dr, Collingwood Park	-27.6230	152.8577	Alive	Least Concern	Eastern Bearded Dragon *Pogona barbata*	1	15/10/2021	-27.6241	152.8581	X				Onto tree in TPZ	
Jaedon Lunt	15/10/2021	13:50	Goss Dr, Collingwood Park	-27.6233	152.8599	Alive	Least Concern	Sugar Glider *Petaurus breviceps*	1	15/10/2021	-27.6236	152.8600	X				Left in dead tree zone to self-relocate overnight	Found in 0-49mm hollow
Jaedon Lunt	15/10/2021	14:45	Goss Dr, Collingwood Park	-27.6230	152.8604	Alive	Least Concern	Dubious Dtella *Gehyra dubia*	1	15/10/2021	-27.6238	152.8600	X				Onto tree in adjacent habitat	

Jaedon Lunt	20/10/2021	17:01	Goss Dr, Collingwood Park	-27.6821	152.8885	Alive	Least Concern	Eastern Bearded Dragon *Pogona barbata*	1	20/10/2021	-27.6828	152.8888	X				Onto ground timber in adjacent habitat	
Jaedon Lunt	21/10/2021	09:12	Goss Dr, Collingwood Park	-27.6227	152.8575	Alive	Least Concern	Coastal Carpet Python *Morelia spilota mcdowelli*	1	21/10/2021	-27.6246	152.8622	X				In hollow log	
Jaedon Lunt	21/10/2021	09:15	Goss Dr, Collingwood Park	-27.6227	152.8575	Alive	Least Concern	Dubious Dtella *Gehyra dubia*	2	21/10/2021	-27.6249	152.8622	X				Onto tree outside of clearing zone	

5 Conclusion

All vegetation clearance was supervised as requested by Shadforth Civil Pty Ltd and in accordance with stipulations as expressed in the *Nature Conservation (Koala) Conservation Plan 2017.*

One Koala was observed on the boundary of the clearing area during clearing activities. An exclusion zone was established, and the Koala was left to self-relocate via its own volition before clearing activities were resumed in that area of the site. Other fauna found during clearance works were relocated (or self-relocated) to adjacent localities comprising suitable refugia and feeding resources consistent with individual species requirements. Young were taken to a certified wildlife carer or veterinary clinic.

All supervised clearance activities were conducted with the full co-operation of onsite personnel and machinery operator/s.

6 References

Department of Environment and Heritage Protection (2017) *Nature Conservation (Koala) Conservation Plan 2017*. Queensland Government.

References for nomenclature

Anstis, M. (2013) *Tadpoles and Frogs of Australia*, Sydney: New Holland Publishers.

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7 Appendix A: Fauna Photos

Striped Marsh Frog
Limnodynastes peronii

Eastern Bearded Dragon
Pogona barbata

Common Brushtail Possum
Trichosurus vulpecula

Dubious Dtella
Gehyra dubia

Robust Velvet Gecko
Nebulifera robusta

Squirrel Glider
Petaurus norfolcensis

Squirrel Glider
Petaurus norfolcensis

Common Brushtail Possum
Trichosurus vulpecula

Lively Rainbow Skink
Carlia vivax

Yellow-faced Whipsnake
Demansia psammophis

Rainbow Lorikeet
Trichoglossus haematodus

QUEENSLAND FAUNA CONSULTANCY Pty Ltd

February 2022

Fauna Management and Spotter/Catcher Services Report

The Pocket
218 Collingwood Drive, Collingwood Park
Report prepared for Shadforth Civil Pty Ltd

Report prepared by

QLD Fauna Consultancy Pty Ltd

Phone: (07) 3376 9780

Email: fauna@qfc.com.au

Date:	05/02/2022
Title:	Fauna Management and Spotter/Catcher Services Report The Pocket – 218 Collingwood Drive, Collingwood Park
Author/s:	Bryan Robinson, Jasmine Zeleny
Reviewed by:	Rebecca Everett
Field personnel:	Darcy Brady
Status:	Final Report
Filed as:	QFC FMR Shadforth Collingwood Park Feb 2022.doc

Contents

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1 Introduction

Qld Fauna Consultancy Pty Ltd has been engaged by Shadforth Civil Pty Ltd to conduct Fauna Spotter/Catcher and Fauna Management activities for works at The Pocket – 218 Collingwood Drive, Collingwood Park.

All activities were conducted under the provisions of Rehabilitation Permit (WA0026789) issued to Queensland Fauna Consultancy Pty Ltd by the Department of Environment and Science (DES), approving the observation and relocation of protected animals.

This report covers clearance activities undertaken in February 2022.

2 Methodology

2.1 Clearance Investigations

A standard set of observational and active searching techniques were employed on the day of clearance to ascertain and identify existing fauna values for each location. These include:

- Assessment of terrestrial microhabitats such as ground hollows, rock, burrows, leaf litter, fallen branches and bark exfoliations,
- Observation and assessment of occupancy of arboreal microhabitats such as tree hollows, fissures and exfoliations,
- Direct observation of active or exposed fauna,
- Identification of scats, tracks and scratchings to determine fauna present on the site.

All microhabitats were identified and subsequently inspected during clearance.

2.2 Specific methodology for Koalas *Phascolarctos cinereus*

Due to the specific requirements relating to the Koala the following techniques were employed at the clearance site to ascertain presence/absence status:

- Use of binoculars to inspect the crown, forks and trunk of trees;
- 'Drip zone' searches at the base of known food trees for the presence of scats to a radius equal to that of the crown of individual trees;
- Inspection of trunks for scratchings indicative of use by Koalas.

Recent changes to Koala management strategies highlighted in the *Nature Conservation (Koala) Conservation Plan 2017* have resulted in particular conditions placed on vegetation clearance involving the removal of Koala food trees.

Further provisions include the restriction of all clearance that may directly interfere with the tree a Koala is residing in. Koalas are to leave via their own volition and may not be interfered with by any means. Only when Koalas have vacated a tree can clearance operations include the host tree and surrounding vegetation.

2.3 Felling Procedures

Trees identified as having potential fauna values (such as hollows, fissures and exfoliating bark) were clearly marked for supervision during felling and inspected once felled. Efforts were made to determine potentially occupant species by way of investigations for indicative signs (scats, scratchings and tracks). Where no signs were found or occupant species undeterminable, machinery operators were instructed to fell trees in a manner directed at minimising the potential risk of injury to fauna.

Limbs were inspected and the direction of felling determined with regards to safety of both machinery and operators. Considerations to potentially occupant fauna were assessed and felling procedures formulated. Felling procedures may have included the following techniques:

- Machinery blades were utilised to shake the tree in an attempt to disturb fauna out of hollows or fissures to determine species present.
- If fauna were present, the tree was either left standing overnight to allow the occupant animal(s) time to leave via their own volition, or if species detected were able to be encouraged from the tree by shaking or direct capture by a wildlife spotter(s). The tree was felled with considerations to potentially undetected fauna.
- Where possible potentially occupied trees were felled with the identified microhabitat receiving minimal contact on impact.
- Adjacent felled trees were utilised to absorb the impact of potential fauna bearing trees.

2.4 Communications during Clearance

Each spotter/catcher was equipped with a hand held radio to make positive communications with machinery operators. Communications by radio and positive hand signals were utilised to indicate intentions to machinery operators.

3 Results

The following daily inventory details fauna based investigation results for the clearing area. Inspection activities, location, habitat values and fauna found are documented where required. Refer to Appendix A for fauna photos.

Friday 4th February 2022

- Pre-clearance activities carried out (refer to Methodology) at 218 Collingwood Drive, Collingwood Park
- Vegetation clearance carried out at 218 Collingwood Drive, Collingwood Park
- Refer to **Fauna Register** for fauna found
- 8 trees flagged
- One personnel in attendance

Arboreal Microhabitats: No. flagged tree/s felled: 8 Nest (N) ☒Y ☐N Hollows (H) ☒Y ☐N Arboreal termitaria (ATM) ☒Y ☐N No. & size of hollow/s (mm): 0-49: 2
Terrestrial Microhabitats: Hollow logs ☐Y ☒N Woody debris ☒Y ☐N Rock piles ☐Y ☒N Burrows ☐Y ☒N Other: Timber stockpiles, artificial debris, terrestrial termitaria, bark exfoliations
Aquatic habitat/s: Dam ☐Y ☒N Creek ☐Y ☒N Wetland ☐Y ☒N

4 Fauna Register

				Capture Location						Release Details			Actions					
Collectors Name	**Date**	**Time**	**Capture Location**	**Latitude**	**Longitude**	**Count Type**	**Status**	***Common Name - Scientific Name***	**Count**	**Date**	**Latitude**	**Longitude**	**R1**	**R2**	**D**	**I**	**Release Location Description**	**Comments**
Darcy Brady	04/02/2022	11:16	The Pocket – 218 Collingwood Drive, Collingwood Park	-27.6228	152.8609	Alive	Least Concern	Native Bee Hive (*Tetragonula* sp.)	1	04/02/2022	-27.6230	152.8608	X				Relocated within original tree trunk	Slight damage to outer edge of hive
Darcy Brady	04/02/2022	11:18	The Pocket – 218 Collingwood Drive, Collingwood Park	-27.6228	152.8610	Alive	Least Concern	Sugar Glider *Petaurus breviceps*	2	04/02/2022	-27.6229	152.8610	X				Self-relocated into another dead stag tree outside of clearing zone	

5 Conclusion

All vegetation clearance was supervised as requested by Shadforth Civil Pty Ltd and in accordance with stipulations as expressed in the *Nature Conservation (Koala) Conservation Plan 2017.*

No Koalas were observed during clearance. Other fauna found during clearance works were relocated (or self-relocated) to adjacent localities comprising suitable refugia and feeding resources consistent with individual species requirements.

All supervised clearance activities were conducted with the full co-operation of onsite personnel and machinery operator/s.

6 References

Department of Environment and Heritage Protection (2017) *Nature Conservation (Koala) Conservation Plan 2017*. Queensland Government.

References for nomenclature

Menkhorst, K. & Knight, F. (2011) *A Field Guide to the Mammals of Australia*. 3rd edn. Oxford University Press, South Melbourne.

Strahan, R. And Van Dyck, S. (2008) *The Mammals of Australia*, 3rd edn Sydney: New Holland Publishers.

7 Appendix A: Fauna Photos

Native Bee Hive
Tetragonula sp

Appendix C

OMP Approval Notification

Australian Government
Department of Agriculture, Water and the Environment

2019/8516

Mr Wei Wang
Managing Director
Weiya Development Pty Ltd
Suite 208 2-8 Brookhollow Avenue
BAULKHAM HILLS NSW 2153

Dear Mr Wang

EPBC 2019/8516: Residential development, Collingwood Park, Ipswich, Queensland – Approval of Offset Management Plan

On 7 October 2021, Saunders Havill Group wrote to the Department of the Agriculture, Water and the Environment on your behalf seeking approval of the Scenic Ridge Offset Management Plan in accordance with conditions 5 and 6 of the above project under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act).

Officers of the Department have advised me of the Offset Management Plan and the requirements of the conditions of the approval for this project. On this basis, and as a delegate of the Minister for the Environment, I have decided to approve the *Scenic Ridge Offset Management Plan version 5 dated 15 March 2022*. This plan must now be implemented.

As you are aware, the Department has an active monitoring program which includes monitoring inspections, desk top document reviews and audits. Please ensure that you maintain accurate records of all activities associated with, or relevant to, the conditions of approval so that they can be made available to the Department on request.

Should you require any further information please contact Brooke Connors at postapproval@awe.gov.au.

Yours sincerely

Kim Farrant
Assistant Secretary
Environment Assessments (Vic, Tas) and Post Approvals Branch
Environment Approvals Division

25 March 2022