

EPBC Annual Compliance Report 2023

Ross River Dam to Douglas Water Treatment Plant Pipeline Project,
QLD (EPBC 2021/9002)

06-Sep-2023

Ross River Dam to Douglas Water Treatment Plant Pipeline Project (EPBC 2021/9002)

Doc No. 60662058

EPBC Annual Compliance Report 2023

Ross River Dam to Douglas Water Treatment Plant Pipeline Project, QLD (EPBC 2021/9002)

Client: Townsville City Council

ABN: 44 741 992 072

Prepared by

AECOM Australia Pty Ltd

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Job No.: 60662058

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Declaration of Accuracy

In making this declaration, I am aware that sections 490 and 491 of the *Environment Protection and Biodiversity Conservation Act 1999* (Cth) (EPBC Act) make it an offence in certain circumstances to knowingly provide false or misleading information or documents.

The offence is punishable on conviction by imprisonment or a fine, or both. I declare that all the information and documentation supporting this compliance report is true and correct in every particular. I am authorised to bind the approval holder to this declaration and that I have no knowledge of that authorisation being revoked at the time of making this declaration.

Signed: B. Middleton

Full name: BHAIR MIDDLETON

Position: PRINCIPAL MAJOR PROJECTS

Organisation: Townsville City Council (ABN: 44 741 992 072)

Date: 6 SEPTEMBER 2023

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1.0 Introduction

AECOM Australia Pty Ltd (AECOM) was engaged by Townsville City Council (Council) to prepare the first Annual Compliance Report for the Ross River Dam (RRD) to Douglas Water Treatment Plant (DWTP) Pipeline Duplication Project (the Project). The Project is located approximately 12 km south-west of the Townsville Central Business District (CBD), within Townsville City Council in North Queensland.

Approval under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) for the Project (EPBC 2021/9002) was obtained on 2 June 2022, for the following approved action:

'To construct a 9.5 km subterranean water pipeline from the Ross River Dam to the Douglas Water Treatment Plant, 12 km southwest of the Townsville Central Business District.'

1.1 Purpose of Report

This compliance report has been prepared to satisfy the requirements of Condition 13 of EPBC Approval 2021/9002 and has been prepared in line with the *'Annual Compliance Report Guidelines, Commonwealth of Australia 2014'*.

The date of commencement of the action was 11 July 2022, therefore this report provides an assessment of compliance against each of the conditions between the period of 11 July 2022 and 10 July 2023.

The key dates that relate to EPBC Approval 2021/9002 are detailed in Table 1 below.

Table 1 Key Dates (EPBC Approval 2021/9002)

Action	Key Date
Commonwealth approval	2 June 2022
Commencement date	11 July 2022
Expiry of Commonwealth approval	30 June 2027

This report will be published on the Council website and provided to the Department of Climate Change, Energy, the Environment and Water (DCCEEW) as required by Condition 13.

2.0 Description of Activities

2.1 Project Overview

The existing RRD to DWTP pipeline is approximately 9.5 km long. It is understood the existing DN1200 pipe, built in 1975, is a bespoke construction comprising an inner reinforced concrete pipe (RCP) that is wrapped in pre-stressed steel wire bands and encased in a grout shell.

The pipeline currently transfers bulk raw water from RRD to DWTP under both gravity and pumped operation, depending on demands at DWTP and levels in RRD. An assessment of the pipeline has indicated the pipe is in poor condition and many failures have been observed throughout the pipeline.

Given most of Townsville's raw water supply is via this pipeline, Council have recognised that the pipeline's deteriorated condition puts Townsville's water security at significant risk. It is critical that an alternative pipeline is designed and constructed to secure Townsville's water supply now and in the future.

To address this issue Council is constructing a new DN1200 (1290 mm outside diameter) pipe from RRD to DWTP. The pipeline starts at RRD on the western side of Ross River and crosses to the east approximately 600 m downstream of the dam spillway where it continues to DWTP, predominantly within Defence's Mt Stuart Training Area (MSTA).

Following the approval of EPBC 2021/9002, additional stockpile areas were identified as necessary to facilitate construction of the Project. The proposed areas were identified in consultation with Department of Defence, Council and the Construction Contractor to provide laydown and stockpiling of construction materials.

It is understood that the proposed areas were not considered to change the level of impact to the controlling provisions of the EPBC approval but did represent an administrative change, as the areas would fall outside of the approved Project footprint. The proponent communicated with DCCEEW to seek a variation to the approved action on 19 October 2022 to regularise this footprint change within the approval.

In late March 2023 DCCEEW confirmed that a variation to the original action would not be considered and that potential impacts to MNES associated with the additional stockpile areas would need to be considered separately. An MNES due diligence assessment was completed, which determined that a potential significant impact on MNES species as a result of clearing the additional stockpile areas considered unlikely.

The additional stockpile locations are therefore considered a separate action to this Project and not considered as part of this compliance report assessment.

Further to these stockpile areas, it appears that some additional areas outside of the approved footprint have been affected by ground disturbance activities as detailed in Section 3.0.

2.2 Activities During the Report Period

Project activities that occurred during the reporting period (11 July 2022 to 10 July 2023) are detailed below.

- Delineation of construction corridor limits of clearing, including exclusion zones and installation of appropriate surface erosion control
- Topsoil stockpiling
- Vegetation clearing (100% complete)
- Trenching (50% complete)
- Pipeline installation (50% complete).

3.0 Compliance Assessment

An assessment of compliance against EPBC Act Approval (EPBC 2021/9002) for the reporting period between 11 July 2022 and 10 July 2023, is provided in Table 2 below. In accordance with the 'Annual Compliance Report Guidelines, Commonwealth of Australia 2014', the compliance assessment presents a compliance status finding against each condition as 'compliant', 'non-compliant' or 'not applicable'. Comments are provided against conditions where required.

Table 2 EPBC Act Approval (EPBC 2021/9002) Compliance Assessment (11 July 2022 to 10 July 2023)

Conditions of EPBC Act Approval (EPBC 2021/9002)				
EPBC Approval Condition No.		Condition Currently Triggered	Compliance Finding	Evidence / Comments
Part A – Conditions Specific to the Action				
Disturbance Limits				
Part A - 1	To minimise impacts to Black-throated Finch habitat, the approval holder must not clear outside the Project area (Appendix A ¹).	Yes	Non-compliant	Clearing activities have generally been maintained to within the Project area (as defined in Appendix A of EPBC Approval 2021/9002). Deviations have been calculated in the order of 1.22 ha (approximately 5%) of clearing outside of the defined Project area (calculated based on review of aerial imagery), triggering a non-compliance for this condition.
Part A - 2	The approval holder must not clear more than 15.5 hectares of Black-throated Finch habitat within the Project area.	Yes	Non-compliant	<p>A total of 15.4 ha of Black-throated Finch habitat has been cleared within the Project area (calculated based on review of aerial imagery). As discussed in Condition A-1 above, deviations in clearing (1.22 ha) have been calculated just outside of the defined Project area (as defined in Appendix A of EPBC Approval 2021/9002).</p> <p>Of this additional clearing, 1.07 ha is mapped Black-throated Finch habitat (calculated based on review of aerial imagery). Total clearing of 16.47 ha of Black-throated Finch habitat has been calculated for the Project, triggering a non-compliance for this condition.</p> <p>This comprises:</p> <ul style="list-style-type: none"> • 15.4 ha clearing within the defined Project area, and • 1.07 ha clearing just outside the defined Project area.
Environmental Offset Requirements				
Part A - 3	To compensate for impacts to Black-throated Finch habitat, the approval holder must make a payment of \$221,600.00 to the Black-throated Finch Trust by 30 June 2022, the proponent must provide evidence to the Department that the financial contribution has been paid to the Black throated Finch Trust in writing, within 10 business days of the payment.	Yes	Compliant	<p>Payment of the require amount was made to the trustee for The Black Throated Finch Trust prior to 30 June 2022 (remittance advices dated 16/06/2022 and 21/06/2022).</p> <p>Council submitted a letter to the Department within 10 business days of final payment (dated 01/07/2022) with remittance advices attached.</p> <p>The Project is therefore compliant with this condition.</p>
Clearance				
Part A - 4	The approval holder must ensure that a wildlife spotter/catcher is present within the Project area during clearing and given sufficient authority to direct and halt clearing activities (Appendix A ¹).	Yes	Compliant	<p>Wildlife spotter/catchers undertook pre-clearing surveys and provided pre-clearing Fauna Reports for the Project (refer to Appendix A). Wildlife spotter/catchers were present within the Project area during all clearing activities and provided post-clearing Fauna Reports for all clearing works that occurred between July 2022 and March 2023. The reports have been attached as Appendix A, and include details of the fauna discovered and safely relocated during the clearing works.</p> <p>The Project is therefore compliant with this condition.</p>

¹ Note refers to Appendix A of EPBC Approval 2021/9002

Conditions of EPBC Act Approval (EPBC 2021/9002)				
EPBC Approval Condition No.		Condition Currently Triggered	Compliance Finding	Evidence / Comments
Part A - 5	If Black-throated Finch active nests are identified by the wildlife spotter/catcher during clearing activities, all clearing must be suspended within a 50 m radius of the nest until the nest is no longer in use.	Yes	Compliant	The wildlife spotter/catcher post-clearing Fauna Reports confirm no active Black-throated Finch nests were identified during clearing activities. None of the animals encountered during clearing works were classed as endangered, vulnerable, threatened or near threatened species (refer to Appendix A). The Project is therefore compliant with this condition.
Commonwealth Land Considerations				
Part A – 6	The approval holder must ensure that the action is undertaken in accordance with the Cultural Heritage Management Agreement (CHMA) to ensure protection of any cultural heritage values.	Yes	Compliant	A CHMA has been developed for the Project between the Bindal Peoples #2 and Townsville City Council (dated 24 September 2021). Council maintains a register to document and track compliance against the CHMA (' <i>Ross River Dam (RRD) to Douglas Water Treatment Plant (DWTP) - Pipeline Renewal: Cultural Heritage Management Agreement (CHMA) Compliance Document Records</i> '). The register provides details of bookings for cultural heritage monitors present for clearing and grubbing activities and cultural heritage induction bookings within the current reporting period (11 July 2022 to 10 July 2023). In accordance the CHMA, Council engaged the Bindal Peoples #2 to deliver Cultural Heritage Inductions for all Project staff and contractors involved with the supervision and carrying out of clearing, grubbing and disturbance works. <ul style="list-style-type: none"> Cultural Heritage Notice 005 (dated 23 May 2022) and associated Induction Attendance Record (dated 7 June 2022). Cultural Heritage Notice 010 (dated 31 Aug 2022) and associated Induction Attendance Record (dated 9 Sept 2022). Council engaged Cultural Heritage Monitors for all clearing and grubbing works in accordance with the CHMA between 11 July 2022 and 10 July 2023 (Cultural Heritage Notice No's. 006 to 009 and Notice No's. 011 to 019). No Cultural Heritage artefacts were identified during monitoring works and Cultural Heritage artefacts identified during the initial surveys were relocated to an approved and documented location (TCC Pers.comm, 2023). The Project is therefore compliant with this condition.
Part A - 7	The approval holder must ensure that the action is undertaken in accordance with the Access Agreement when accessing Commonwealth land on the Mount Stuart Training Area.	Yes	Compliant	An Access Licence has been obtained for the Project, between The Commonwealth of Australia represented by the Department of Defence, Estate and Infrastructure Group and Townsville City Council (dated 03 March 2022). Council requested a Deed of Variation to amend the Completion Date detailed in the Access License, which was granted and signed on 22 February 2023. Council issued a letter to the Department of Defence, Estate and Infrastructure Group, dated 22 July 2022 (' <i>Access Preconditions (additional information) pertaining to the Mount Stuart Training Area (MSTA) Access Licence dated 3 March 2022</i> '), together with the relevant precondition supporting documentation attached, to satisfy the Access Licence conditions. The Project is therefore compliant with this condition.
Rehabilitation				
Part A - 8	The approval holder must ensure that rehabilitation works are undertaken in accordance with the rehabilitation methods described in the Preliminary Documentation and the Access Agreement.	No	Not applicable	Rehabilitation works did not commence within this reporting period (11 July 2022 to 10 July 2023). Therefore, this condition is not applicable.

Conditions of EPBC Act Approval (EPBC 2021/9002)				
EPBC Approval Condition No.		Condition Currently Triggered	Compliance Finding	Evidence / Comments
Part B – Standard Administrative Conditions				
Notification of date of commencement of the Action				
Part B - 9	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.	Yes	Compliant	Council issued a letter to the Department (dated 21 July 2022), noting the action had commenced on 11 July 2022. The notification occurred within 10 business days after the date of action commencement. The Department issued a response letter (dated 25 July 2022) with acknowledgement of Council's commencement notification. The Project is therefore compliant with this condition.
Part B – 10	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.	No	Not applicable	The action commenced on 11 July 2022 (refer Condition 9 above). Therefore, this condition is not applicable.
Compliance Records				
Part B - 11	The approval holder must maintain accurate and complete compliance records.	Yes	Compliant	Council maintains accurate and complete compliance records in relation to EPBC 2021/9002 in the below electronic file location: <ul style="list-style-type: none"> Major Projects Electronic Folder – Approvals – Environmental Docs – 2. EPBC Referral Approval and Compliance Docs. The first Annual Compliance Report (this document) shall be uploaded to the Townsville City Council public accessible Project website in accordance with Condition 13(a). The Project is therefore compliant with this condition.
Part B - 12	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.	No	Not applicable	The Department has not made a request in writing for electronic copies of compliance records within this reporting period (11 July 2022 to 10 July 2023). Therefore, this condition is not applicable.
Annual Compliance Reporting				
Part B - 13	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, until the end of the approval period.	Yes	Compliant	This document is the first Annual Compliance Report from the commencement of the action and provides an assessment of compliance for the reporting period of 11 July 2022 to 10 July 2023. In accordance with the letter issued by the Department (dated 25 July 2022), the first Annual Compliance Report (this document) will be provided to the Department by 9 September 2023. The Project is therefore compliant with this condition.
Part B - 13(a)	The approval holder must publish each compliance report on the website within 60 business days following the relevant 12 month period.	No	Not applicable	The first Annual Compliance Report (this document) shall be uploaded on the Townsville City Council public accessible Project website in accordance with this condition. As this is the first compliance report for the Project, this condition is not yet applicable.
Part B - 13(b)	The approval holder must 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.	No	Not applicable	Council shall notify the Department of publication of the first Annual Compliance Report (this document) in accordance with the stipulated timeframe. As this is the first compliance report for the Project, this condition is not yet applicable.
Part B - 13(c)	The approval holder must keep all compliance reports publicly available on the website until this approval expires.	No	Not applicable	Council shall maintain annual compliance reports on the Townsville City Council public accessible Project website in accordance with this condition, with the first Annual Compliance Report (this document) published in accordance with timeframes stipulated in Condition 13(a). This condition is not yet applicable.
Part B - 13(d)	The approval holder must exclude or redact sensitive ecological data from compliance reports published on the website.	No	Not applicable	There is no sensitive ecological data associated with the current reporting period (11 July 2022 to 10 July 2023). Therefore, this condition is not applicable.

Conditions of EPBC Act Approval (EPBC 2021/9002)				
EPBC Approval Condition No.		Condition Currently Triggered	Compliance Finding	Evidence / Comments
Part B - 13(e)	The approval holder must where any sensitive ecological data has been excluded from the version published, submit the full compliance report, including sensitive ecological data to the Department within 5 business days of publication.	No	Not applicable	Refer Condition 13(d) above.
Reporting Non-compliance				
Part B - 14	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.	No	Not applicable	This condition was not triggered during this reporting period (11 July 2022 to 10 July 2023). Therefore, this condition is not applicable ² .
Part B - 14(a)	The notification must specify any condition which is or may be in breach.	No	Not applicable	Refer Condition 14 above.
Part B - 14(b)	The notification must specify a short description of the incident and/or non-compliance.			
Part B - 14(c)	The notification must specify 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.			
Part B - 15	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.			
Part B – 15(a)	Specifying any corrective action or investigation which the approval holder has already taken or intends to take in the immediate future.	No	Not applicable	Refer Condition 14 above.
Part B – 15(b)	Specifying the potential impacts of the incident or non-compliance.			
Part B – 15(c)	Specifying the method and timing of any remedial action that will be undertaken by the approval holder.			
Independent Audit				
Part B - 16	The approval holder must ensure that independent audits of compliance with the conditions are conducted when requested in writing by the Minister.	No	Not applicable	No request was made by the Minister to conduct an independent audit of compliance during this reporting period (11 July 2022 to 10 July 2023). Therefore, this condition is not applicable ³ .
Part B – 17(a)	For each independent audit, the approval holder must provide the name and qualifications of the independent auditor and the draft audit criteria to the Department.	No	Not applicable	Refer Condition 16 above.
Part B – 17(b)	For each independent audit, the approval holder must only commence the independent audit once the audit criteria have been approved in writing by the Department			
Part B – 17(c)	For each independent audit, the approval holder must submit an audit report to the Department within the timeframe specified in the approved audit criteria.			
Part B - 18	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.			
Completion of the Action				
Part B – 19	Within 30 days after the completion of the action, the approval holder must notify the Department in writing and provide completion data.	No	Not applicable	The action was not completed during this reporting period (11 July 2022 to 10 July 2023). Therefore, this condition is not applicable.

² Note, non-compliances identified within this document were not known until completing this first Annual Compliance Report.

³ Note, non-compliances identified within this document were not known until completing this first Annual Compliance Report.

4.0 New Environmental Risk

No new environmental risks have been identified within the current reporting period (11 July 2022 to 10 July 2023) for the Project. Project environmental risks are managed through Council's Integrated Environmental Management System Framework and the Project's Construction Environmental Management Plan (CEMP).

5.0 Summary and Corrective Actions


This compliance report has been prepared to satisfy the requirements of Condition 13 of EPBC Approval 2021/9002 and has been prepared in line with the '*Annual Compliance Report Guidelines, Commonwealth of Australia 2014*' for the reporting period between 11 July 2022 and 10 July 2023.

Two potential non-compliances were identified within the current reporting period in relation to Condition Part A-1 and Condition Part A-2 (refer to Table 2). Clearing activities required for Project construction were fully completed during this reporting period, as detailed in Section 2.2 and no further vegetation clearing is anticipated. Proposed corrective actions are detailed below.

- Submit formal notification to the Department, including details of potential impacts and proposed remedial actions in accordance with Conditions 14 and 15 of EPBC Approval 2021/9002.
- To inform the above, and to verify the extent of additional clearing that has been calculated (based on aerial imagery,) a ground-truthing survey is proposed. Following this ground-truthing exercise, an assessment of potential impacts due to clearing of an additional 1.07 ha of mapped Black-throated Finch habitat just outside of the defined Project area, will be undertaken and submitted to the Department.
- Additional Project clearing areas (verified through the ground-truthing exercise) will be included in the rehabilitation works program and (in accordance with Condition Part A-8) rehabilitated in accordance with the methods described in the Preliminary Documentation and the Access Agreement.

Appendix A

Fauna Spotter/Catcher Reports



Pre-Clearing Fauna Survey Report: Ross River Dam to Douglas Water Treatment Plant

Civil Plus



Dan Bamblett

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Civil Plus – RRD to DWTP Project	
Fauna Spotter Catcher	Daniel Bamblett
Date	28 July 2022
Location	Ross River Dam

Location & Site Description

An initial pre-clearing survey was conducted for an area to be cleared for the Ross River Dam to Douglas Water Treatment Plant Project. The area to be cleared extends from the water's edge of the Ross River for 200m in an easterly direction and is approximately 20m wide. Roughly a third of the clearing zone was within the riverbed and is subjected to seasonal flooding and apart from small groves of *Iomandra longifolia* there was little to no ground cover. This flood zone contained a small number of mature weeping paperbark (*Melaleuca leucadendra*). Moving above the seasonal flood line the dominant hardwood species were bloodwood (*Corymbia spp*) and poplar (*Eucalyptus platyphylla*). The understory was largely uneven, rocky and heavily grassed.

Habitat potential and Animal Breeding Places:

Habitat Potential --


Overall, the habitat potential in relation to the trees on site is quite poor. This is due to the lack of hollow bearing trees within the clearing zone. There are a few areas of ground cover that have potential for housing animals such as the pockets of *Iomandra* and the heavily grassed, rocky ridge. Given the proximity of the river along with the areas of ground cover within the clearing zone there is potential for animals to be present during clearing works.

Animal Breeding Places –

No nests or roosting locations were identified during the pre-clear inspection.

Recommendations

Given the potential for wildlife to be present during clearing, a qualified fauna spotter should be present for all clearing and grubbing activities. This includes the few areas of ground cover previously identified as wildlife utilising these areas of ground cover are likely to remain even during the grubbing process.



Pre-Clearing Fauna Survey Report: Ross River Dam to Douglas Water Treatment Plant

Civil Plus



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Civil Plus – RRD to DWTP Project	
Fauna Spotter Catcher	Daniel Bamblett
Date	08 July 2022
Location	Ross River Dam

Location

An initial pre-clearing survey was conducted for an area to be cleared for the Ross River Dam to Douglas Water Treatment Plant Project. The area to be cleared extends from the Ross River dam spillway, through Ross Dam park and North along Riverway Drive. The clearing zone then doglegs directly toward Ross River at 19°24'17"S 146°43'55"E.

Site description:

The majority of the clearing area contains few trees and almost zero undergrowth and is almost entirely within previously disturbed areas including a community park and a roadside nature strip. A small section on the bank of the Ross River is densely vegetated with a variety of native species of plants. This section is dominated by a dense stand of mature Weeping paperbark (*Melaleuca leucadendra*) with a dense understory comprised of a variety of mostly native riparian plant species. At the time of the pre-clearing inspection this area was flooded with shallow freshwater as a result of high river levels. Some of the resulting pools were directly connected to the river.

Other mature native tree species are located within the clearing zone. These include, Bloodwood (*Corymbia spp*), Blue Gum (*Eucalyptus tereticornis*), Leichhardt Tree (*Nauclea orientalis*) and Sandpaper Fig (*Ficus opposita*). Most of this vegetation appears to be regrowth.

Habitat potential and Animal Breeding Places:

Habitat Potential --

Overall, the habitat potential in relation to the trees on site is quite poor. This is due to the very fragmented nature of the site, high level of human activity and the lack of hollow bearing trees. However, due to the proximity to the river, there is a high potential for a variety of animal species to be present at the time of clearing. Only a few of the trees within the clearing zone were observed to be flowering. These flowering trees being removed is unlikely to have any impact on local wildlife in terms of food availability.

There are several areas of ground habitat that are extremely likely to hold wildlife. These include the large rock at the base of the dam wall, the thick dense grass near the dam wall access ramp, a large patch of backyard greenwaste that has been dumped in the clearing zone and the densely vegetated flooded bank of Ross River. There is high potential for animals to be disturbed while clearing these locations.



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Animal Breeding Places –

While no nests or roosting locations were identified during the pre-clear inspection, a Great Bowerbird bower was observed under a Sandpaper Fig (*Ficus opposita*) on the western side of the dam wall access ramp at 19°24'32"S 146°44'02"E. The Bower is not a nesting location and will be readily reconstructed by the bird in a nearby location.

Recommendations

Given the potential for wildlife to be present during clearing, a qualified fauna spotter should be present for all clearing and grubbing activities. This includes the few areas of ground cover previously identified as wildlife utilising the dense ground cover is likely to remain even during the grubbing process.



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Site Photographs:



Picture 1 – backyard green waste pile.



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Picture 2 – densely vegetated flooded riverbank



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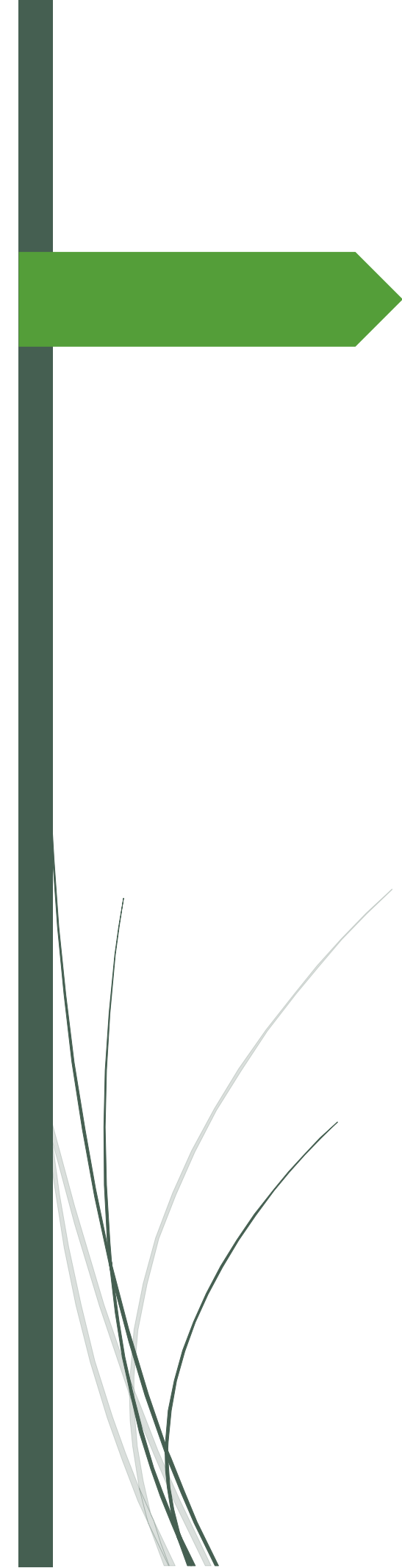
Picture 3 – Mature Blue Gums



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Picture 4 – Mature Blue Gum



Post-Clearing Fauna Spotter Report: Civil Plus Ross River Pipeline



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Civil Plus Ross River Pipeline	
Fauna Spotter Catcher/s	Daniel Bamblett & Krystal Huff
Date	11 – 13 & 28-29 July 2022

Post-clearing report:

Pre-clear surveys were conducted prior to clearing works commencing. A qualified fauna spotter catcher was present during all clearing works on 11-13 July 2022 and 28-29 July 2022. No trees that were cleared contained wildlife. No animals were injured or killed during clearing. None of the animals encountered during works were classed as endangered, vulnerable, threatened or near threatened species. As expected from pre-clearing survey results, most species were discovered in the dense grass cover.

Scientific Name or Common Name	Latitude	Longitude
Gehyra Dubia	19.4080032	146.73378213
Bynoes Gecko	19.4048169	146.7327701
Tommy Roundhead	19.4048296	146.7327366
Coastal Carpet Python	19.405	146.73167

All animals were found alive and uninjured and were safely relocated just outside of the clearing zone in suitable habitat.

Animal Breeding & Nesting Sites:

No animal breeding or nesting sites were identified or destroyed during clearing.

Photographs:



Bynoes Gecko



Dan Bamblett
Hands on Wildlife
PO Box 10092 Rasmussen, QLD 4815
0437 056 157
rangerdan@handsonwildlife.com.au
www.handsonwildlife.com.au



Coastal Carpet Python



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Tommy Roundhead



Provision of Wildlife Management Services.	Civil Plus Constructions
Fauna Spotter on site	Kyle Carter, Kelly Macpherson, Deborah Carter
Dates of conducted works	11/08/2022 – 17/08/2022
Permit holders name	Deborah Carter
Permit number	WA0018659

This report contains details of fauna observed, relocated or noted between CH 1140- 2300

Date of works	11/08/2022
Spotter on site	Kyle Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present.

Multiple burrows examined with inspection camera and found to be empty.
Evidence of feral pig in the area.

Diporiphora nobbi, Diporiphora australis, Dubious geckos, and various skinks were spotted in the area, no action was required as they were tailed outside of the scope of works.

Inactive finch nest at Lat 19. 397348 Long 146.7333465

1 x Dubious gecko (*Gehyra dubia*)
 Dubious catch Lat -19.397340 Long 146.733315
 Dubious release Lat -21.397340 Long 146.733315

1 x Northern velvet gecko (*Oedura castelnaui*) were caught and released outside the scope of works.
 Velvet catch Lat -19.396620 Long 146.732960
 Velvet release Lat -19.396794 Long 146.732705



No other fauna was injured or relocated in the scope of works.

Date of works	12/08/2022
Spotter on site	Kyle Carter Kelly Macpherson
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present.

3 x gecko eggs of unknown species were found under bark inside clearing boundaries were relocated outside the scope of works.

2 x inactive nests found at time of survey.

Desiccated amphibian remains and small avian skulls and bones were found under the base of the tree

Inactive raptor nest with bones Lat -19.370678 - Long 146.735075

Inactive raptor nest Lat -19.370082 - Long 146.734932

2 x Asian house gecko (Hemidactylus frenatus)

Catch - Lat -19.369150 Long 146.734948

Release Lat -19.369182 Long 146.734935



Evidence of feral pig and dog tracks in the area.

No other fauna was found, injured, or relocated.

Date of works	15/08/2022
Spotter on site	Kyle Carter Kelly Macpherson
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present.

Trees with accessible hollows were endoscopically examined found to be empty.

A fallen tree was found to contain an old, abandoned honeycomb suggesting the presence of bees in the area.

2 burrows were found and examined and were found to be empty.

1 kangaroo skeleton was found in the area.

No other fauna was found, injured or relocated.

Date of works	16/08/2022
Spotter on site	Deborah Carter - Kelly Macpherson
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present. Deb.

Inactive Raptor nest found in an iron bark, as this tree was in the boundary of the scope of works the tree was felled and materials of the nest placed outside the scope of works. 1 Nobbi dragon was caught and relocated safely out of the scope of works uninjured.

Nest at Latitude -19.390163 Longitude 146.734005

1 x Nobbi dragon (*Amphibolurus nobbi*)

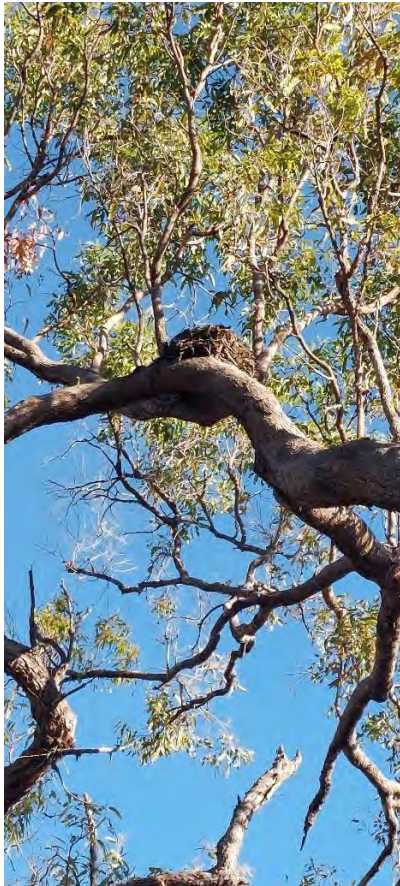
Nobbi catch Lat -19.387913 Long 146.735306

Nobbi release Lat -19388102 Long 146.735429



Pre survey of the area found no significant fauna present, evidence of feral pigs and wallaby in the area. Kelly.

Tree with large stick nest tagged at Latitude -19.338318 Longitude 146.727444



This tree will need a fauna spotter present at the time of felling, as per the species management plan, if this tree can be left it is advisable to do so. Pictures with a drone would be appropriate to ensure this nest is inactive before felling.

As it is breeding season for raptors, this nest could be active at a later date from this survey.

No other fauna was found, injured or relocated.

Date of works	17/08/2022
Spotter on site	Deborah Carter - Kelly Macpherson
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present. Deb.

An old inactive bower was found and relocated so that the materials could be used in the future.

A burrow was also found, inspection camera found a brown snake present. Clearing over the burrow was done, the snake stayed safely inside the burrow.

Inactive bower Lat -19.386229 Long 146.736141

Bower material moved to Lat -19.386294 Long 146.736447



Snake burrow Lat -19.385043 Long 146.737145



Pre survey of the area found no significant fauna present. Kelly.

The area surveyed contained thick vegetation and invasive flora that when positively identified was reported through the appropriate channels.

Snakeskin was found in a stump however no live specimens were found in the area.

Burrows found were examined and found to be empty.

1 burrow was found to contain remains of a snake egg, no individuals or signs of recent use found.

No other fauna was found, injured, or relocated.

No endangered or vulnerable species were observed.

All other species observed are found to be of “least concern” conservation status.

*The criteria for declaring a species as least concern is:

The wildlife is common or abundant and is likely to survive in the wild.

Native wildlife may be prescribed as least concern wildlife even if: the wildlife is the subject of a threatening process, or the population size or distribution of the wildlife has declined: or there is insufficient information about the wildlife to conclude whether the wildlife is common or abundant or likely to survive in the wild.

The Governor in Council may classify a species as least concern by amending the Nature Conservation (Animals) Regulations 2020 where the above criteria under the Nature Conservation Act 1992 have been met. In text citation (www.departmentofenvironmentandscience.com.au)

All fauna was surveyed and relocated by a suitably qualified person.

Suitably qualified and experienced person means— A person with formal qualifications and/or experience in fauna identification and life ecology and environmental management.

A person is considered to be suitably qualified and experienced if they meet one or more of the following criteria:

- An ecological consultant with experience in conducting surveys for animal breeding places.
- A person who possesses a degree in natural science or similar with experience in conducting surveys for animal breeding places.
- A person who is a spotter-catcher under a rehabilitation permit issued under the Act.

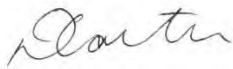
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If you have any questions, please do not hesitate to call, or send an email.

Sincerely

A handwritten signature in cursive script, appearing to read 'Deborah Carter', written in black ink on a white background.

Deborah Carter.



Provision of Wildlife Management Services.	Civil Plus Constructions
Fauna Spotter on site	Kelly Macpherson
Dates of conducted works	23/08/2022 – 31/08/2022
Permit holders name	Deborah Carter
Permit number	WA0018659

Date of works	23/08/2022
Spotter on site	Kelly Macpherson
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present.
 No active breeding habitat found.
 No threatened species were encountered.
 No fauna relocated, injured, or killed.

Date of works	24/08/2022
Spotter on site	Kelly Macpherson
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present, during clearing geckos, a Frilled neck lizard and Little Red Flying fox were relocated.

The little Red Flying fox had injuries beyond rehabilitation the vet euthanised the animal under anaesthetic.

1 x Chain back gecko (*Gehyra catenata*)

1 x Dubious gecko (*Gehyra dubia*)

Found: -19.401735, 146.734465

Release: -19.401631, 146.734738

1 x Frilled neck lizard (*Chlamydosaurus kingii*)

Caught and relocated safely out of the scope of works

Found: -19.401354, 146.734462

Release: -19.401391, 146.734774



1 x Little Red Flying fox (*Pteropus scapulatus*)

The Little Red was found in a sapling tree, it was not injured by plant or clearing.

The animal was taken off site to JCU vet immediately.

The injury was a subluxated elbow joint with no chance of recovery for flight or release the animal was euthanised.

Found: -19. 403582, 146.735018



No other fauna was found, injured or relocated.

Date of works	25/08/2022
Spotter on site	Kelly Macpherson
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present.
 No active breeding habitat found.
 No threatened species were encountered.
 No fauna relocated, injured or killed.

Date of works	26/08/2022
Spotter on site	Kelly Macpherson
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present, during clearing a Tommy round head was relocated uninjured out of the scope of works.

1 x Tommy roundhead (*Diporiphora australis*)



Found: -19.398197, 146.733506
 Release: -19.398063, 146.733605

No active breeding habitat found.
No threatened species were encountered.
No other fauna relocated, injured, or killed.

Date of works	29/08/2022
Spotter on site	Kelly Macpherson
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present.
No active breeding habitat found.
No threatened species were encountered.
No fauna relocated, injured or killed.

Date of works	31/08/2022
Spotter on site	Kelly Macpherson
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present.
No active breeding habitat found.
No threatened species were encountered.
No fauna relocated, injured or killed.

Conservation status:

All species observed are found to be of "least concern" conservations status.

*The criteria for declaring a species as least concern is:

The wildlife is common or abundant and is likely to survive in the wild.

Native wildlife may be prescribed as least concern wildlife even if: the wildlife is the subject of a threatening process, or the population size or distribution of the wildlife has declined: or there is insufficient information about the wildlife to conclude whether the wildlife is common or abundant or likely to survive in the wild.

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All fauna was surveyed and relocated by a suitably qualified person.

Suitably qualified and experienced person means— A person with formal qualifications and/or experience in fauna identification and life ecology and environmental management.

A person is considered to be suitably qualified and experienced if they meet one or more of the following criteria:

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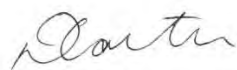
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If you have any questions, please do not hesitate to call, or send an email.

Sincerely



Deborah Carter.



Provision of Wildlife Management Services.	Civil Plus Constructions
Fauna Spotter on site	Deb Carter – Kelly Macpherson
Dates of conducted works	1/09/2022 – 21/09/2022
Permit holders name	Deborah Carter
Permit number	WA0018659

Date of works	1/09/2022
Spotter on site	Kelly Macpherson
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present. No active habitat was found. No threatened species were encountered. No fauna relocated, injured, or killed.

1 small stick nest found on the edge of the scope of works and was found to be old and inactive. Spotter removed from tree and placed off alignment

Found: -19.389557, 146.734401
Relocated: -19.389562, 146.73460

Two beehives were found.
The trees were softly felled and were moved outside scope of works.

Hive 1 Found: -19.392360,146.732735
Hive 1 moved: -19.392830, 146.732735

Hive2 Found: -19.392686, 146.732169
Hive 2 moved: -19.393276, 146.732426

Date of works	2/09/2022
Spotter on site	Kelly Macpherson
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present. No active habitat was found. No threatened species were encountered. No fauna relocated, injured, or killed.

1 x Sand goanna (*Varanus gouldii*) was found passing through the scope of works.
Individual was captured and relocated outside the area of operation.

No injuries were sustained.

Found: -19.387642, 146.735213
Release: -19.387885, 146.735571



Date of works	5/09/2022
Spotter on site	Kelly Macpherson
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present. No active habitat was found. No threatened species were encountered.
No fauna relocated, injured, or killed.

Date of works	6/09/2022
Spotter on site	Kelly Macpherson
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present. No active habitat was found. No threatened species were encountered.
No fauna relocated, injured, or killed.

Date of works	7/09/2022
Spotter on site	Kelly Macpherson
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no active habitat.
No threatened species were encountered.

1 x Excitable delma (*Delma tinctoria*) found dead. This was in pre survey before clearing.



Found: -19.364444, 146.734444

1 x Beehive was found and identified as an Asian honeybee hive.
Biosecurity was notified.



Found: -19.362771, 146.734319

No other fauna relocated, injured, or killed.

Date of works	8/09/2022
Spotter on site	Kelly Macpherson
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no active habitat. No threatened species were encountered.

1 x Sand monitor (*Varanus gouldii*) found and released outside scope of works.

Found: -19.369167, 146.734722

Released: -19.364722, 146.736111

No other fauna relocated, injured, or killed.

Date of works	9/09/2022
Spotter on site	Kelly Macpherson
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present.
No active habitat was found.

1 x lizard egg with a hole was found, extremely unlikely to survive it was removed from scope of works

Found: -19.407222, 146.735278

No threatened species were encountered. No other fauna relocated, injured, or killed.

Date of works	12/09/2022
Spotter on site	Deborah Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present.
No active habitat was found.

1 x micro bat was seen in the clearing area, it flew into nearby tree cover unharmed, was not able to identify, coordinates noted.

Lat -19.344589 Long 146.731697

Many of the trees had been felled by the army, no fauna was found dead or injured.



No threatened species were encountered. No other fauna relocated, injured, or killed.

Date of works	13/09/2022
Spotter on site	Deborah Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present.
No active habitat was found

1 x Brown tree snake (*Boiga irregularis*) found dead. Possibly injured when initial clearing was done as the snake had been dead a while.



Lat -19.345044 Long 146.731866

Date of works	14/09/2022
Spotter on site	Kelly Macpherson
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found 1x beehive present, tree was soft felled and removed from the scope of works.

No other active habitat was found, no breeding habitat was found.

No threatened species were encountered, and no other fauna was relocated, injured, or killed.

1 x Beehive Found: -19.340424, 146.73025

Date of works	15/09/2022
Spotter on site	Kelly Macpherson
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present.

No active or breeding habitat found.

No fauna captured, relocated, or killed.

Date of works	16/09/2022
Spotter on site	Kelly Macpherson
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present.

No active or breeding habitat found.

No fauna captured, relocated, or killed.

Date of works	19/09/2022
Spotter on site	Kelly Macpherson
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present. No active or breeding habitat found.

1 x monitor lizard was seen walking across a road close to the scope of work.

The reptile was monitored to ensure it did not enter the alignment.

No fauna was captured, relocated, or killed.

Date of works	20/09/2022
Spotter on site	Kelly Macpherson
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found the monitor lizard from the previous day was still active in the area however it stayed clear of scope of works.

Spotter continued to monitor the movements of the reptile to ensure it did not enter the alignment.

No fauna was captured, relocated, or killed.

Date of works	21/09/2022
Spotter on site	Deborah Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present.
No active or breeding habitat found.

Surveyed all the stacks that had been sitting, prior to mulching. Very dry, dusty, and humid conditions left the piles free from significant fauna.
Snake, wallaby, dog, and bird tracks in the area.

No fauna captured, relocated, or killed.



Conservation status:

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All fauna was surveyed and relocated by a suitably qualified person.

Suitably qualified and experienced person means— A person with formal qualifications and/or experience in fauna identification and life ecology and environmental management.

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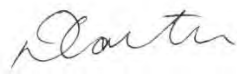
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Sincerely

A handwritten signature in cursive script, appearing to read 'Deborah Carter'.

Deborah Carter.



Provision of Wildlife Management Services.	Civil Plus Constructions
Fauna Spotter on site	Deb Carter
Dates of conducted works	1/12/2022 and 7/12/2022
Permit holders name	Deborah Carter
Permit number	WA0018659

Date of works	1/12/2022
Spotter on site	Deb Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present.

No active habitat was found.

No threatened species were encountered.



No fauna relocated, this area has all large habitat trees marked to save, the much smaller regrowth trees with no active hollows or nests can be removed with out a fauna spotter catcher present as this area was thoroughly checked.

Date of works	7/12/2022
Spotter on site	Deb Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present.

No active habitat was found.

No threatened species were encountered.





No fauna relocated, injured, or killed.

All fauna was surveyed and relocated by a suitably qualified person.

Suitably qualified and experienced person means— A person with formal qualifications and/or experience in fauna identification and life ecology and environmental management.

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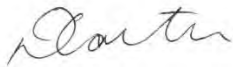
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Deborah Carter.



Provision of Wildlife Management Services.	Civil Plus Constructions
Fauna Spotter on site	Deb Carter and Samantha Williams
Dates of conducted works	31/1/2023 to 17/03/2023
Permit holders name	Deborah Carter
Permit number	WA0047832

This report contains fauna interaction details and information required for the clearing and grubbing of creeks, 5,6 and 9.

Conditions initially with wet weather hampered clearing, suitable distances for safety were required.

Date of works	31/1/2023
Spotter on site	Deb Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present.





No active habitat was found.

No threatened species were encountered.

No fauna was relocated, injured, or killed.

Date of works	8/02/2023
Spotter on site	Deb Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present.

Clearing North side of creek 5, 1 x dead stag that looked hollow, full of white ants, no fauna.
1 x eucalypt had 2 small hollows: no fauna tree full of carpenter ants.



1 x Native gecko (Gehyra dubia) relocated unharmed.

Catch – Latitude -19 365688 Longitude 146.734441

Release – Latitude -19.365680 Longitude 146.734246



No other fauna was relocated, injured, or killed.

Date of works	9/02/2023
Spotter on site	Deb Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Continued clearing on the north side of creek 5. No fauna found, relocated, or injured.



Date of works	10/02/2023
Spotter on site	Deb Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present, continued works on north wide of creek 5, no fauna found at waters edge.

No fauna, relocated, injured or killed.



Date of works	13/02/2023
Spotter on site	Deb Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey of the area found no significant fauna present.

Clearing on the south side of creek 5.

A small snake was found dead, possibly a whip snake.



Latitude -19.366437 Longitude 146.734470

No other significant fauna was found, injured, or relocated.

Date of works	14/02/2023
Spotter on site	Deb Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Clearing on south side of creek 5, no significant fauna found, injured, or relocated.

Moved to creek 6 south side.

One tree with a small hollow was tapped before felling, it was not actually a hollow after inspection once down.



No other significant fauna was found, injured, or relocated.

Date of works	15/02/2023
Spotter on site	Deb Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Continued clearing south side creek 6.

1 x Garden skink (*Lampropholis guichenoti*) relocated unharmed.

Catch – Latitude -19.358535 Longitude 146.735146

Release – Latitude -19.358881 Longitude 146. 734886

1 x Metallic skink (*Lampropholis delicata*) relocated unharmed.

Catch - Latitude -19.358614 Longitude 146.735164

Release – Latitude -19.358947 Longitude 146. 734936



1 x Common Tree snake (*Dendrelaphis punctulatus*) deceased.

Latitude -19.358858 Longitude 146.735096



No other significant fauna was found, injured, or relocated.

Date of works	17/02/2023
Spotter on site	Deb Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Clearing north side creek 6.

No significant fauna found in pre survey.



1 x Blind snake (Indotyphlops braminus) deceased.

Latitude -19.357136 Longitude 146.735377



No other significant fauna was found, injured, or relocated.

Date of works	20/02/2023
Spotter on site	Deb Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Continued moving timber on north side creek 6.

Pre survey found no significant fauna present.



No significant fauna was found, injured, or relocated.

Date of works	21/02/2023
Spotter on site	Deb Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey found no significant fauna present.



No significant fauna was found, injured, or relocated.

Date of works	22/02/2023
Spotter on site	Deb Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Pre survey found no significant fauna present.

No significant fauna was found, injured, or relocated.

Date of works	23/02/2023
Spotter on site	Deb Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Clearing north side of creek 6.

Pre survey found no significant fauna present.

Felled large paper bark and eucalypts, no hollows or nests.

Trees were heavily infested with green ants and carpenter ants.

Pre surveyed further down through the creek; pipe put in for water flow.



No significant fauna was found, injured, or relocated.

Date of works	24/02/2023
Spotter on site	Deb Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - Yes

Clearing north side creek 6.

Pre survey found no significant fauna present.

Was called down to stockpile P, as young birds were found in a nest on the ground.

5 x Pheasant coucal chicks (*Centropus phasianinus*) were found on the ground, unharmed.

Advice to barricade off, as the area was not being cleared, to leave the chicks with the parents as they were not far off becoming mobile.

Latitude -19.395827 Longitude 146.732956



Date of works	28/02/2023
Spotter on site	Samantha Williams
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

The clearing of trees and earthworks was supervised at South Creek 6 - CH6500-CH6700.

Fauna observed: Striated pardalote building tunnel in mound of dirt at the edge of cleared corridor at CH6700 (-19.356752, 146.735321). Area to be checked prior to further disturbance. Dollar bird pair observed adjacent to site.



No significant fauna was found, injured, or relocated.

Date of works	1/03/2023
Spotter on site	Samantha Williams
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - Yes

The clearing of trees and earthworks was supervised at South Creek 6 - CH6500-CH6700.

Fauna observed: Five freshwater turtles observed in the creek crossing at CH6500 after most of the water was pumped out of the corridor.

The turtles were left overnight in low water levels to self-relocate. Area should be re-checked the next day and any remaining turtles relocated off site.



No significant fauna was injured or relocated.

Date of works	2/03/2023
Spotter on site	Samantha Williams
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - Yes

The clearing of trees and earthworks was supervised at South Creek 6 - CH6500-CH6700.

Fauna observed:

Relocated one small turtle Krefft's River Turtle (*Emydura macquarii krefftii*) from CH6500 (-19.358194, 146.735284) to adjacent water source out of corridor.

(-19.358278, 146.735027). Unharmmed.

Two yabbies (Red Claw) and two small fish (Catfish) relocated from the same area, unharmmed.



Date of works	3/03/2023
Spotter on site	Deborah Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Continuing works at creek 6.

Pre survey found no significant fauna.



No significant fauna was found, injured, or relocated.

Date of works	6/03/2023
Spotter on site	Deborah Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

Continued north side creek 6.

Pre survey found no significant fauna present.



No significant fauna was found, injured, or relocated.

Date of works	7/03/2023
Spotter on site	Samantha Williams
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - Yes

North Creek 9 – CH7560-CH7660

A pre-clearance survey was conducted through the area of North Creek 9 before clearing works commenced. During this search multiple small hollows and dead stags were located. A Black Kite pair were observed in the area and a nest was located within the scope of works (-19.348353, 146.732936)

One bird seen continuing construction on the nest. The tree was flagged, and an exclusion zone implemented.

The site supervisor was notified, and a plan of action was produced.

This plan involved sending a drone up to identify if the nest was active, by checking if it contained eggs or chicks.

The careful felling of the trees was supervised and the trees with hollows were inspected before being moved. No fauna was relocated during clearing however, the following species were observed on or close to the site either during the pre-clearance survey or during clearing works.

- Masked Lapwing
- Azure Kingfisher
- Blue-faced Honeyeater
- Pale-headed Rosella
- Pacific Baza
- Pheasant Coucal

Date of works	8/03/2023
Spotter on site	Samantha Williams
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - No

North Creek 9 – CH7560-CH7660

Site shut down due to external factors.

Date of works	10/03/2023
Spotter on site	Deborah Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - Yes

Clearing south side of creek 9.

A drone was deployed to ensure that no eggs or live young were present before felling of the nest trees. Located at -19.348353, 146.732936.

Once down the nest was again checked and the nesting material moved out of the scope of works for the birds to access if needed.



Pheasant Coucals are present in the area, underbrush checked carefully for chicks as this is breeding season for them. None were found or injured.

Large ghost gum with small hollows felled carefully, checked after, small hollows infested with carpenter ants. No fauna present.

1 x Metallic skink (*Lampropholis delicata*) relocated.

Catch Latitude -19.348284 Longitude 146.732955

Release Latitude -19.348524 Longitude 146.732819

No other fauna was found, injured, or relocated.

Date of works	13/03/2023
Spotter on site	Deborah Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - Yes

Pre survey found no significant fauna present.

Clearing south side Creek 9

Ponds are being pumped, relocated some small shrimp and river fish.



No other fauna was found, injured, or relocated.

Date of works	14/03/2023
Spotter on site	Deborah Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - Yes

Pre survey found no significant fauna in the work site area.

A Whistling duck family entered the work area, machines stopped till ducks were safely out of the scope of works.

Noted an eel in one of the ponds.

Moved to area near the treatment plant, pre survey found no hollows, mostly smaller regrowth trees and weeds.

After some clearing a Sand goanna made his way through the area unharmed.



1 x garden skink (*Lampropholis guichenoti*) relocated.

Catch – Latitude -19.335262 Longitude 146.730071

Release – Latitude -19.335095 Longitude 146.730056



No other fauna was found, injured, or relocated.

Date of works	15/03/2023
Spotter on site	Deborah Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - Yes

Clearing south side creek 9.

1 x Eel tailed catfish (*Tandanus tandanus*) relocated to next pond. -19.348975 – 146.733194

Located some hatched snake eggs.



No other fauna was found, injured, or relocated.

Date of works	16/03/2023
Spotter on site	Deborah Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - Yes

Moved to north side creek 9.

Pre survey found no significant fauna present.



No other fauna was found, injured, or relocated.

16/03/2023

Went back to the south side of creek 9.

Relocated 2 x Eels and several small fish.

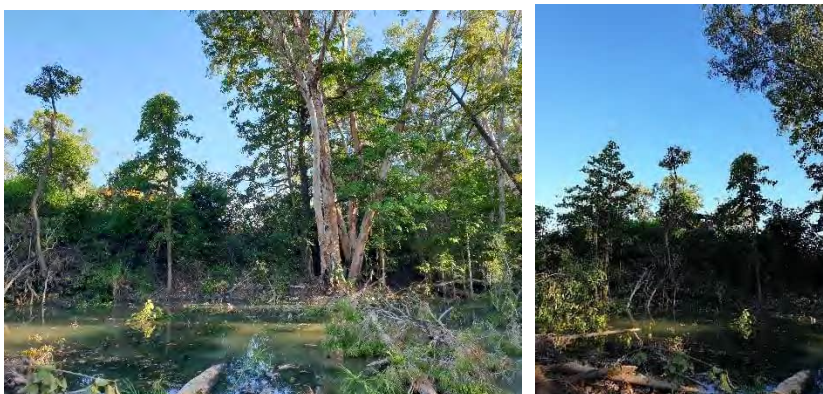


Catch -19.348679 – 146.733083.

Release was over in the next pond.

1 x Eel tailed catfish (*Tandanus tandanus*) unharmed.

Released -19.351709 – 146.732364.



Date of works	17/03/2023
Spotter on site	Deborah Carter
Potential habitat found? (Y/N) - Yes	Active habitat found? (Y/N) - Yes

Clearing south side creek 9.

1 x Excitable Delma (*Delma tinctoria*) unharmed and relocated out of the scope of works.

Catch – Latitude -19.349962 Longitude 146.733381

Release – Latitude -19.350001 Longitude 146.733220



1 x Common Brushtailed Possum (*Trichosurus vulpecula*) unharmed.

The possum was in the top of a paperbark, not in a hollow.

The tree was chained and very carefully pushed, with the chain taking the slack to lower the tree slowly so as to not harm the possum.

Very skilled operator successfully lowered the tree with no harm to the possum.

Possum happily relocated outside the scope of works.



Latitude -19.348679 Longitude 146.733083

Conservation status: -

All fauna in this report are of least concern.

No threatened species were encountered.

All fauna was surveyed and relocated by a suitably qualified person.

Suitably qualified and experienced person means— A person with formal qualifications and/or experience in fauna identification and life ecology and environmental management.

A person is considered to be suitably qualified and experienced if they meet one or more of the following criteria:

- An ecological consultant with experience in conducting surveys for animal breeding places.
- A person who possesses a degree in natural science or similar with experience in conducting surveys for animal breeding places.
- A person who is a spotter-catcher under a rehabilitation permit issued under the Act.


Spotter-catcher means— A person qualified to take and keep protected wildlife under a current rehabilitation permit granted under the Nature Conservation (Animals) Regulation 2020 (or previous regulations to authorise the take, keep or use of an animal whose habitat is about to be destroyed by human activity).

Tamper with an animal breeding place means— Damage, destroy, mark, move or dig up the breeding place.

The animal breeding place survey was undertaken by a suitably qualified and experienced person, for example: Information sheet Species Management Program Requirements for tampering with a protected animal breeding place in Queensland Page 6 of 13 • Version 1.00 • Effective: 22 AUG 2020 (Department of Environment and Science. www.departmentofenvironmentandscience.com.au, 2020

If you have any questions, please do not hesitate to call, or send an email.

Sincerely



Deborah Carter.

