PROBUILD | CIVIL

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13th August, 2014

Attention: Mr Iain Everiss (Superintendent)

Probuild Reference: 50094-0159

Dear Iain,

RE: NBRC – NDRRA – Roads Reconstruction Package

Contract No. 2322/2014-14-TTB/01

SUBJECT: Submission of Clearing Report (Humphrey Binjour Road)

Please find attached submission of clearing report, prepared by AK Earth Environmental Consultants for clearing & grubbing operations performed on Humphrey Binjour Road.

Should you require any further information or discussion on this matter, please feel free to discuss directly with our Project Engineer, Ben Wells (0488 456 177).

Yours faithfully,

Bow Wibowo
PROJECT MANAGER
PROBUILD Civil Pty Ltd

Sequential Clear and Grub Report

North Burnett Regional Council
Contract Number: 2322/2013-14/TTB/01

Batter Stabilisation and Road Realignment
Humphrey Binjour Road
Chainage 000 – 302

8th August 2014

Prepared for Probuild Civil

By

AKEARTH

Environmental Consultants

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1.0 INTRODUCTION

Compliant with the environmental requirements of the North Burnett Regional Council (NBRC) Contract Number: 2322/2013-14/TTB/01, a sequential clearing programme was implemented by Probuild Civil from the 24/03/14 to 20/05/14, on Humphrey Binjour Road, between chainages 000 and 302.

The remediation works were implemented to ensure the safety of road users, in an area where landslip failures had occurred on both the cut face and the embankment. The site is located half way between Gayndah and Mundubbera in the North Burnett Region. (Refer: Appendix A: Client Supplied Drawings)

The Commonwealth and State Governments administered clearing approvals which contained 22 specific conditions. In accordance with the clearing approvals, Probuild Civil in partnership with the NBRC, implemented a sequential clearing programme and a qualified environmental consultant and spotter catcher, was onsite for the duration of the clear and grub operations. (Refer Appendix B: Commonwealth and State clearing approvals).

Previously identified within the limit of works is the protected plants *Pomaderris clivicola and Bertya pedicellata,* therefore a site inspection with NBRC and Probuild Civil was undertaken on Tuesday 4th March 2014, to discuss the operational works and clearing extent of the limit of works.

The site for the road works is mapped on the ecotone between District B and District C under the Nature Conservation (Koala) Conservation Plan 2006, therefore taking into account the precautionary principle, the sequential clearing conditions under Part 3 Section 15 applied.

The safety of public traffic was improved by realigning the road away from the existing embankment and stabilising the cut face through excavation and benching. As major batter stabilisation work was required to realign the road, all vegetation within the limit of works and approximately 65 000 cubic meters of loose material was safely and sequentially removed from the area.

2.0 OVERVIEW OF CLEAR AND GRUB PROGRAMME

The site was approximately 300m long by approximately 45m wide (at the widest point) and traversed steep hills and scarps. Slopes ranged from 38% - 58% and consisted of deeply weathered red soil types. The batter was highly weathered and consisted of a number of major landslips. No stream order watercourses were located within the site.

Land resource information derived from the *DEHP Land Resources of the Burnett Region* has the area mapped as below;

Lt 1
Landform: Undulating rises on plateau remnants
Geology: Lateritised tertiary basalt
Soils: Very deep soils dark reddish brown clays.

Lt 3
Landform: Steep hills & scarps. Rock outcrops
Geology: Lateritised tertiary basalt
Soils: Very shallow, dark reddish brown clays (gravelly throughout).

Land Resources Bulletin Part 2; Central Burnett 2002.

Under the *Vegetation Management Act (VMA)1999,* the majority of the work site was mapped remnant regional ecosystems least concern RE12.5.1, least concern RE11.5.15 and endangered RE11.5.17.

The vegetation type was sparse open woodland with species dominated by *Corymbia citriodora* with other species being *Eucalyptus cloeziana,* Corymbia trachyphloia*,* which ranged from 10 - 30 meters high with diameter at breast height (DBH) 25 -75cm. (Refer Appendix E DEHP Regulated Vegetation Management Map).

Figure 1: Clearing for batter stabilisation

Figure 2: Clearing for road widening

Other semi-evergreen vine thicket (SEVT) species and understory species included *Flindersia australis* (Crow's Ash), *Alstonia scholaris*, *Guioa semiglauca* (Guioa*), Polyscias elegans* (Celery Wood), *Olearia cydoniifolia* (Crow's Ash), *Caesalpinia scortchinii*, *Drypetes deplanchei* (Yellow Tulipwood), *Alphitonia excelsa, Zanthoxylum brachyacanthum* (Thorny Yellowwood), *Alectryon diversifolius, Owenia venosa* (Crow's Apple), *Pomaderris clivicola* (Vulnerable EPBC & Endangered NCA)*, Bertya pedicellata (*Near Threatened NCA*) and Acacia leiocalyx.*

The vine *Caesalpinia subtropica* (Corky Prickle Vine) was common within the semi-evergreen vine thicket vegetation community.

Approximately 0.02ha of the semi-evergreen vine thicket of the Brigalow Belt, listed under the EPBCA as being an endangered ecological community was therefore present within the clearing footprint. (Refer Appendix D EPBC Act Protected Matters Report).

It is considered that Least Concern RE12.5.1 and Least Concern RE11.5.15 are within the clearing footprint.

- Least Concern RE12.5.1

Open forest complex with Corymbia citriodora subsp. variegata on subcoastal remnant Tertiary surfaces. Usually deep red soils

- Least Concern RE11.5.15

Semi-evergreen vine thicket on Cainozoic sand plains/remnant surfaces
Endangered ecological community under EPBCA.

Figure 3:*Clearing footprint top of batter for stabilisation.*

Figure 4: Clearing footprint for bench construction

As batter stabilisation, road widening and realignment occurred on Humphrey Binjour Road, it is classified as a Class A or Class B site.

The site is mapped within a DEHP high risk area on the protected plants flora survey trigger map. (Refer Appendix F: DEHP Protected Plants Flora Survey Trigger Map).

A threatened species and habitat survey was conducted on the 19/03/14, to identify the presence or otherwise of any Endangered, Vulnerable or Near Threatened (EVNT) flora and fauna species. No systematic fauna survey was conducted. Two (2) threatened species were recorded as follows;

- *Pomaderris clivicola listed as vulnerable under the* Environment Protection and Biodiversity Conservation Act 1999 (EPBCA) and endangered under the Nature Conservation Act 1992 (NCA).
- *Bertya pedicellata listed as* near threatened under the Nature Conservation Act 1992 (NCA).

Figure 5:Threatened sp' Bertya pedicellata

Figure 6: Onsite translocated Bertya pedicellata

During the clearing operations 39 *Bertya pedicellata* were destroyed and 3 were translocated to an area 30m from the clearing footprint. To ensure compliance with the clearing approvals, the NBRC were notified of these records.

In accordance with the clearing approvals only 4 *Pomaderris clivicola* were destroyed during the clearing operations. These plants were located within a substantial slippage area, on an inaccessible section of the steep batter. The remaining populations of *Pomaderris clivicola* were located on the lower slopes of the works and were not disturbed or removed.

The following breakdown is a record of the dates the sequential clearing programme was implemented.

Week 1 – 24/03/14 to 27/03/14
Between the hours of 6:30am to 17:00pm
NBRC notified of clear and grub commencement date on the 24/03/14.
Habitat tree numbers 1, 2 & 3 were felled.

The site was shut down between the 27-31/03/14 due to a significant rainfall event of between 52mm on site 1 at the access track to the top of the batter, and 84mm at site 2 stockpile area.

Week 2 – 31/03/14 to 6/04/14
Between the hours of 06:30 to 17:00
Habitat trees numbers 4, 5, 6, 7, 8, 9 & 10 were felled

Week 3 – 7/4/14 to 10/04/14
Between the hours of 06:30 to 17:00
Habitat trees 12, 13 &14 were felled

Week 4 – 06/05/14
Between the hours of 06:30 to 17:00
Commenced sequential removal of 1600m^2 of semi-evergreen vine thicket.

Week 5– 18/05/14 – 20/05/14
Between the hours of 06:30 to 17:00
Concluded sequential removal of 1600m^2 of semi-evergreen vine thicket and the lower slope culvert at chainage 300 approximately.
NBRC notified of clear and grub conclusion date on the 20/05/14.

Figure 7: Road widening & batter stabilsation works

Figure 8 Sequential tree felling & bench construction

Fourteen (14) habitat tree/encountered fauna log reports were compiled and completed throughout the duration of the clear and grub operations. Habitat tree reports numbers 2, 4, 8, 9, 10 and 14 recorded native fauna dislodged during the operations. (Refer Appendix C: Completed Habitat Tree / Encountered Fauna Log Reports).

No Type A plants were located within the clearing footprint of the clear and grub operations.

During the grubbing operations 2 specimens of the Brigalow Scaly-foot (Paradelma orientalis- listed as vulnerable under the NCA), were identified and safely relocated to surrounding habitat. The Queensland museum confirmed the photographs and they were recorded on the DEHP spotter catcher fauna log return. In accordance with the rehabilitation conditions, QPWS were also notified of the records.

Figures 9 and 10: Brigalow Scaly-foot (Paradelma orientalis), Vulnerable species under the NCA.

The semi-evergreen vine thickets of the Brigalow Belt, listed under the EPBCA as being an endangered ecological community, was present within the clearing footprint. Once confirmation on the proposed clearing footprint was received from NBRC, 1600m^2 of semi-evergreen vine thicket was sequentially removed from the 6/05/14 to 18/05/14.

Figure 11: Sequential clearing of SEVT.

Figure 12:Top batter & bench construction

During the site inspection the following declared plants and or extremely invasive weed species were noted, however there were limited numbers recorded in isolated sites.

Class 2 Declared Plants

- *Prickly Pear (O. stricta)* – individual plants, randomly located within site.

Class 3 Declared Plants

- Lantana, (*Lantana camara)* – isolated plants between chainages Ch 000 - Ch100 LHS and Ch 160 -300 LHS most of which had all been previously sprayed.

Not declared however extremely invasive weeds;

- Snake weed, (Stachytarpheta Sp')
- Corky passionflower (*Passiflora suberosa*)

3.0 CONCLUSION

From Monday 24/03/14 to Tuesday 20/05/14, a sequential clear and grub programme was successfully implemented by Probuild Civil on Humphrey Binjour Road. The clear and grub programme was compliant with the legislative requirements under the Environment Protection and Biodiversity Conservation Act 1999 (EPBCA), the Nature Conservation Act 1992 (NCA), the Nature Conservation (Koala) Conservation Plan 2006 and the DTMR environmental management technical standards.

A threatened species and habitat survey was conducted on the 19/03/14, to identify the presence or otherwise of any Endangered, Vulnerable or Near Threatened (EVNT) flora and fauna species.

NBRC were notified of clear and grub commencement date on the 24/03/14 and conclusion date on the 20/5/14.

NBRC were notified of the 39 *Bertya pedicellata* that were destroyed and the 3 plants that were translocated during the clearing operations.

NBRC were advised that no other recorded specimens of *Pomaderris clivicola* were observed during the clearing operations. Only 4 *Pomaderris clivicola*, that were previously recorded, were destroyed during the clearing operations.

During the grubbing operations 2 specimens of the Brigalow Scaly-foot (*Paradelma orientalis*), listed as vulnerable under the NCA, were identified and safely relocated to surrounding habitat.

No Type A plants were identified within the clear and grub operation areas.

1600m^2 of semi-evergreen vine thicket, listed as endangered ecological community under the EPBCA was sequentially removed from the 6/05/14 to 18/05/14.

Habitat tree reports numbers 2, 4, 8, 9, 10 and 14 recorded the native fauna dislodged during the operations.

All declared and extremely invasive weeds were removed and composted in a designated laydown area during the clear and grub operations. Weed hygiene declaration forms were completed for all vehicles, plant and machinery onsite. All staff were tool boxed with the fact sheets on declared and extremely invasive weeds.

A Department of Environment and Heritage Protection qualified fauna spotter catcher (Rehabilitation number WIRP12501013), was onsite for the extent of the tree felling operation and liaised with NBRC as required, to ensure compliance with the Commonwealth and State Government clearing approvals.

Notice of decision - permit[1] application

This notice is issued by the administering authority to advise of a statutory decision on a permit application.

North Burnett Regional Council
PO Box 390
GAYNDAH QLD 4625

Our reference: 403473

Dear Sir/Madam

Re: Decision made in relation to your application

Your application received on 17-JAN-2014 has been assessed and the decision in regard to your application is specified below:

Permit applied for	Permit Number	Decision
Clearing Permit under Nature Conservation (Administration) Regulation 2006	WICL14184614	Granted - level 2

For the permit applied for that has been granted, the conditions of approval are attached. Where applicable, a Statement of Reasons is provided in relation to the decision. Please note that for the approval, this Notice of Decision and the relevant attachments constitute the permit documentation. Please retain this approval documentation for your records.

Included with this notice is advice on review and appeal processes that may be available to you. Should you seek a review or appeal, you are advised to seek independent advice before taking such action.

If you require more information, please contact Isak schabort on the telephone number listed below.

Yours sincerely

Greg O'NEILL
Department of Environment and Heritage Protection
Date 26/2/14

Enquiries:
Wildlife - MBorough - EHP
PO Box 101
MARYBOROUGH QLD 4650
Phone: (07) 4121 1800
Fax: (07) 4121 1650

Attachment - Permit/Statement of Reasons

1 Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation.

Permit[1]

This permit is issued under the following legislation:

S15(A) Nature Conservation (Administration) Regulation 2006

Clearing Permit

Permit number: WICL14184614

Valid from: 26-FEB-2014 **to** 25-AUG-2014

Parties to the Permit

Role	Name	Address
Principal Holder	North Burnett Regional Council 23 439 388 197	34 - 36 Capper Street GAYNDAH QLD 4625

Permitted Location Activity Details

Location (s)	Activity (s)
Humphrey Binjour Road Reserve chainage 0-302	Clear A Protected Plant From Land
Lot 202 on BON313 NORTH BURNETT REGIONAL	Clear A Protected Plant From Land

Permit Details

Species Details

Location	Activity
All locations relating to this permit	Clear A Protected Plant From Land

Common Name	*Scientific Name*	*Category*	*Quantity*
	Bertya pedicellata Pomaderris clivicola	Live Live	82 Plant/s 4 Plant/s

1 Permit includes licences, approvals, permits, authorisations, certificates, sanctions or equivalent/similar as required by legislation.

Conditions of Approval

Agency Interest: General

PG1	Activities relevant to the clearing, including impact avoidance and the implementation of the offset under this permit must be in accordance with the procedures and actions outlined in the following documents, except where conditions on this permit indicate otherwise: - Application form, clearing permit (protected plants), signed by Mark Pitt of the North Burnett Regional Council (NBRC) on 13/01/2014. - North Burnett Regional Council "Humphrey-Binjour landslip remediation - Clearing Permit (Protected Plants) Supporting information" CPPP/222124/V001, final issue, 6 June 2013. - North Burnett Regional Council Humphery Binjour Road landslip remediation Offset Management Plan for Pomaderris clivicola and Bertya pedicellata, OMP/231925/001, Final 26 September 2013.
PG2	A Return of Operations form must be sent to the Department of Environment and Heritage Protection (EHP) within 28 days after, either the clearing is completed, or the permit ceases to have effect, whichever is the sooner; and you must keep a copy for your records. If the Return of Operations on the approved form is not submitted a penalty may be given. The approved form should be downloaded via the following website link: http://www.ehp.qld.gov.au/licences-permits/plants-animals/return_of_operations.html
PG3	The NBRC must gain approval from the Director-General NPRSR to use the relevant portion of State Forest 172 as the offset site.
PG4	This permit does not exempt the permit holder from obtaining other approvals relevant to the clearing of vegetation at the site.
PG5	Subject to the relevant section of State Forest 172 being approved as the offset site, the NBRC must within 3 months after receiving approval investigate the options available to legally secure the offset site.
PG6	Subject to approval of and the method of legally securing the offset site, the NBRC must legally secure the offset site within 12 months after the relevant approval has been received.
PG7	The offset will only be deemed as being completed when it is achieved to the satisfaction of EHP.

Agency Interest: Biodiversity

PB1	Pomaderris clivicola and Bertya pedicellata must be propagated predominantly from vegetative stock. The NBRC must apply a reasonable effort to propagate one seedling from each of the 34 Pomaderris clivivola plants that occur at the clearing site. Because of the difficulty of propagating Pomaderris clivicola, it will be acceptable if fewer plants are propagated, given that a reasonable effort was applied to achieve propagation.
PB2	To ensure genetic integrity, all plants must be propagated from stock of local provenance. This permit authorises vegetative material to be collected in accordance with "The Code of Practice for the take and use of protected plants", to the extent that the offset relating to this permit can be met.
PB3	Prior to commencing vegetation clearing the entire development site must be inspected by a suitably qualified professional for the presence of animal breeding places. Any handling of wildlife must be undertaken by a licenced spotter catcher and the latter should be on site during the clearing operation.
PB4	Clearing must only commence after the necessary legal requirements for the implementation of a Species Management Programme (SMP) or SMP's have been met by the applicant.
PB5	Clearing authorised under this permit shall be conducted in a sequential manner to allow fauna to disperse into adjacent areas and to minimise damage to surrounding vegetation.
PB6	Plants of Pomaderris clivicola and Bertya pedicellata that are adjacent to the development footprint must be clearly demarcated and all contractors must be informed of this demarcation to protect these plants from accidental clearing.

PB7 Activities related to vegetation rehabilitation and the establishment of Pomaderris clivicola and Bertya pedicellata must be conducted by suitably qualified persons.

Signed

Greg O'NEILL
Delegate
Department of Environment and Heritage Protection

Australian Government
Department of the Environment

Approval

Landslip remediation works at Humphrey Binjour Road, Gayndah, Queensland (EPBC 2013/6893)

This decision is made under sections 130(1) and 133 of the *Environment Protection and Biodiversity Conservation Act 1999*.

Proposed action

person to whom the approval is granted	North Burnett Regional Council
proponent's ABN	23 439 388 197
proposed action	To remediate a landslip at Humphrey Binjour Road, 4.5 km south of the Burnett Highway, Queensland [See EPBC Act referral 2013/6893].

Approval

Controlling Provision	Decision
Listed threatened species and communities (sections 18 & 18A)	Approve

conditions of approval

This approval is subject to the conditions specified below.

expiry date of approval

This approval has effect until 30 October 2018.

Decision-maker

name and position	Deb Callister Assistant Secretary Queensland and Sea Dumping Assessment Branch
signature	
date of decision	9 October 2013

Conditions attached to the approval

1. To compensate for significant residual impacts to *Pomaderris clivicola*, the person taking the action must establish 34 *Pomaderris clivicola* plants at the **offset site** (hereinafter referred to as the 'new population').

    a. The new population must be **vegetatively propagated** from all 34 *Pomaderris clivicola* plants at the subject site (identified in the figure at Annexure A).

    b. All vegetative material required to be collected in order to adhere to this condition must be collected before **commencement of the action**.

    c. The establishment and management of the new population must be undertaken in accordance with the **Offset Management Plan**.

2. Within 10 days after the **commencement of the action**, the person taking the action must advise the **Department** in writing of the actual date of commencement.

3. The person taking the action must maintain accurate records substantiating all activities associated with or relevant to the conditions of approval, including measures taken to implement the **Offset Management Plan**, and make them available upon request to the **Department**. Such records may be subject to audit by the **Department** or an independent auditor in accordance with section 458 of the EPBC Act, or used to verify compliance with the conditions of approval. Summaries of audits will be posted on the **Department**'s website. The results of audits may also be publicised through the general media.

4. Within 3 (three) months of every 12 month anniversary of the **commencement of the action**, for the life of the approval, the person taking the action must publish a report on their website addressing compliance with the conditions of this approval over the previous 12 months, including implementation of the **Offset Management Plan**. Non-compliance with any of the conditions of this approval must be reported to the **Department** within 2 (two) business days of becoming aware.

5. Upon the direction of the **Minister**, the person taking the action must ensure that an independent audit of compliance with the conditions of approval is conducted and a report submitted to the **Minister**. The independent auditor must be approved by the **Minister** prior to the commencement of the audit. Audit criteria must be agreed to by the **Minister** and the audit report must address the criteria to the satisfaction of the **Minister**.

6. If the person taking the action wishes to carry out any activity otherwise than in accordance with the **Offset Management Plan** as specified in the conditions, the person taking the action must submit to the **Department** for the **Minister**'s written approval a revised version of that management plan. The varied activity shall not commence until the **Minister** has approved the varied management plan, in writing. The **Minister** will not approve a varied management plan unless the revised management plan would result in an equivalent or improved environmental outcome over time. If the **Minister** approves the revised management plan, that management plan must be implemented in place of the management plan specified in the conditions.

7. If the **Minister** believes that it is necessary or convenient for the better protection of *Pomaderris clivicola* to do so, the **Minister** may request that the person taking the action make specified revisions to management plan specified in the conditions and submit the revised management plan for the **Minister**'s written approval. The person taking the action must comply with any such request. The revised approved management plan must be implemented. Unless the **Minister** has approved the revised management plan then the person taking the action must continue to implement the management plan specified in the conditions.

8. Unless otherwise agreed to in writing by the **Minister**, the person taking the action must publish all management plans referred to in these conditions of approval on their website. Each management plan must be published on the website within 1 (one) month of being approved for the life of the approval.

Definitions:

a) **Commencement of the action** – includes any preparatory work required to be undertaken, including disturbing or clearing vegetation, the erection of any onsite temporary structures, and the use of heavy duty equipment for the purpose of breaking or moving earth. Commencement of the action does not include any minor physical disturbance to vegetation necessary in the course of obtaining vegetation samples to fulfil the requirements of these conditions.

b) **Department** – the Australian Government Department administering the *Environment Protection and Biodiversity Conservation Act 1999*.

c) **Minister** – The Minister administering the *Environment Protection and Biodiversity Conservation Act 1999* and includes a delegate of the Minister.

d) **Offset Management Plan** – the 'North Burnett Regional Council, Humphrey Binjour Road landslip remediation, Offset Management Plan for *Pomaderris clivicola* and *Bertya pedicellata*' – OMP/231925/001, dated 26 September 2013.

e) **Offset site** – the site detailed at Annexure B.

f) **Vegetative material** – includes stems, leaves, cuttings, bulbs, roots and seeds.

g) **Vegetatively propagated** – the growing of new plants from **vegetative material** of the original plants.

Annexures:

A – Map of *Pomaderris clivicola* plants at the subject site.

B – Map of the offset site

Annexure A

Client

[redacted]

Job Title

[redacted]

landslip remediation

[redacted]

P. clivicola observations

Metres

0 20 40 60 80

Issue	Date	By	Chkd	Appd
D1	17/05/2013	MJD	LOM	KOJ

ARUP

Level 4, 108 Wickham Street
Fortitude Valley, QLD 4006

www.arup.com

Scale at A4	Drawing Status
1:1,608	Final

Coordinate System

GDA 1994 MGA Zone 56

Job No	Figure No.
222124-00	007

J:\222000\222124-00\GIS\Figures\EPSC Ac[redacted]g00_Protected_plants.mxd

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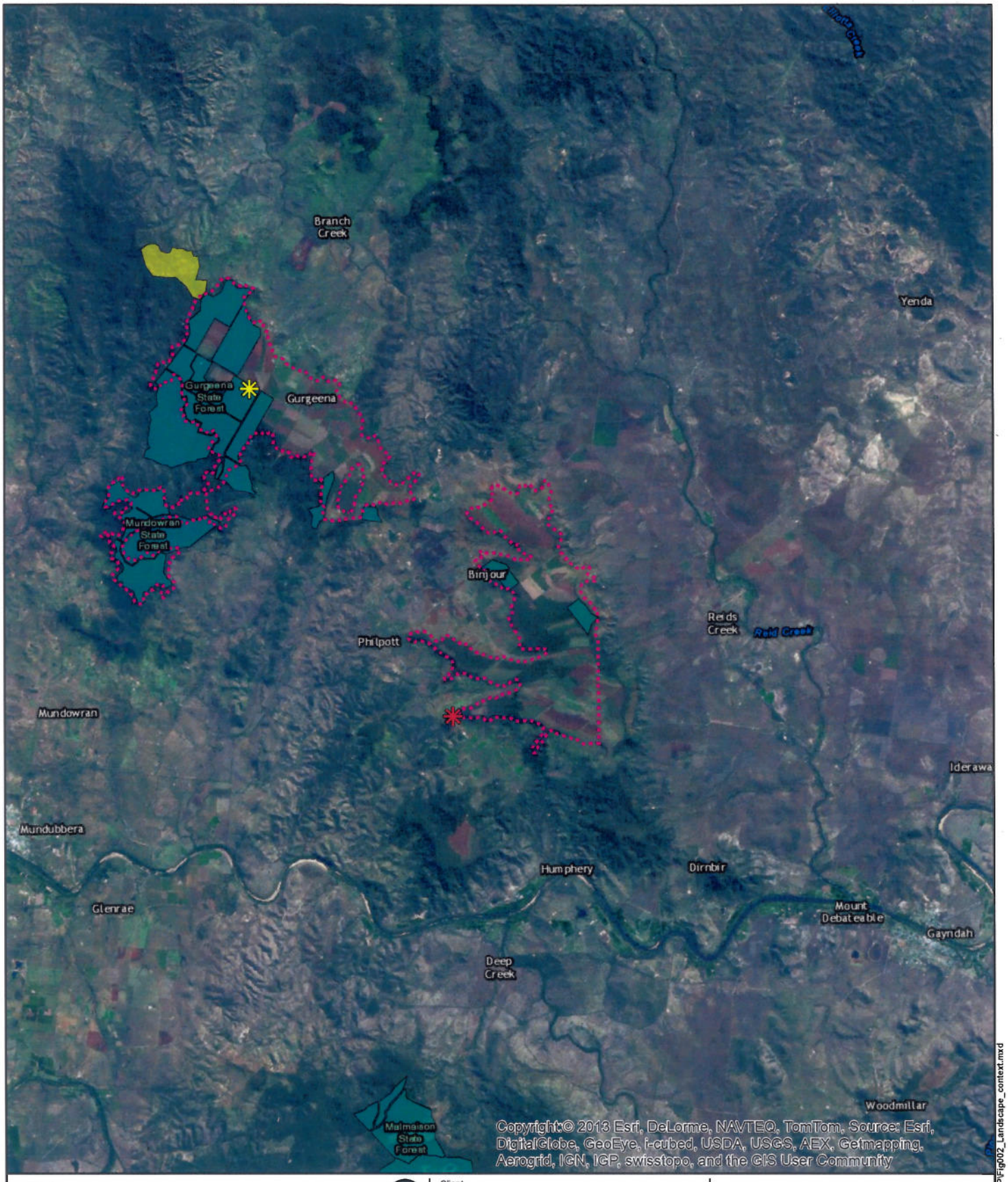
Annexure B



Slip remediation

Offset site

Binjour Plateua duricrust

Protected areas:

Conservation park

State forest

Client
North Burnett Regional Council

Job Title
Offset Management Plan for P. clivicola & B. pedicellata

Map Title
Offset site Landscape context

Kilometers
0 2 4 6 8

Issue	Date	By	Chkd	Appd
D1	26/09/2013	MJD	LOM	LOM

ARUP
Level 4, 108 Wickham Street
Fortitude Valley, QLD 4006
Tel +61 (7)3023 6000 Fax +61 (7)3023 6023
www.arup.com

Scale at A4	Map Status
1:177,462	Final

Coordinate System
GDA 1994 MGA Zone 56

Job No	Figure No
231925-00	002

C:\Users\matt.davis\Desktop\HB Offsets TEMP\GIS\Figures\OMP\Fig002_Landscape_context.mxd

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Habitat Tree Report / Encountered Fauna Log

Client: Probuild Civil

Project: NBRC Contract Number: 2322/2013-14/TTB/01

Date: 19/02/14	**Road**	Humphrey Binjour Road	**Chainage LHS**	210 approximately

Habitat Tree Report

#	Site H1	Photos	Description	
1	Identify common name and tree species:	1-2	*Corymbia citriodora*	
2	General description (height, DBH, health)	**Height**	**DBH**	**Health**
		15m	35cm	Alive
3	Location of the Individual from fog line (GPS)	Within works on embankment	S 25 33 139 E 151 27 036	
4	General description of fauna habitat (hollow / nest / termite mound / log)	marginal hollows (Not marked "H" as inaccessible)		

Report completed: (name) Kris Hall

Habitat Tree Report / Encountered Fauna Log

Encountered Fauna Log

Individual #	Species (Common and Latin Name)	Age (mature, adolescent, juvenile)	Measurements			Condition (stressed, dazed, harmed?)	Release location (description/ GPS waypoint)	Does the individual require veterinary care / fauna rescue agency? (contact details)	Outcome / other comments:
			Sex	Length	Weight				
1	No Fauna	-	-	-	-	-	-	-	-
2									
3									

Tree Felled- Date: 26/03/14

Fauna Spotter / Catcher: (name) Kris Hall

Licence Number: WIRP12501013

Habitat Tree Report / Encountered Fauna Log

Client: Probuild Civil

Project: NBRC Contract Number: 2322/2013-14/TTB/01

Date:19/02/14	**Road**	Humphrey Binjour Road	**Chainage LHS**	190 approximately

Habitat Tree Report

#	Site H2	Photos	Description	
1	Identify common name and tree species:	3	*Corymbia citriodora*	
2	General description (height, DBH, health)	**Height**	**DBH**	**Health**
		20m	35cm	Alive
3	Location of the Individual from fog line (GPS)	Within works on embankment	S 25 33 142 E 151 27 029	
4	General description of fauna habitat (hollow / nest / termite mound / log)	hollows (Not marked "H" as inaccessible)		

Report completed: (name) Kris Hall

Habitat Tree Report / Encountered Fauna Log

Encountered Fauna Log

Individual #	Species (Common and Latin Name)	Age (mature, adolescent, juvenile)	Measurements			Condition (stressed, dazed, harmed?)	Release location (description/ GPS waypoint)	Does the individual require veterinary care / fauna rescue agency? (contact details)	Outcome / other comments:
			Sex	Length	Weight				
1	Common Brushtail Possum	-Juvenile	--	--	--	Unharmed -	Log taken to top of batter and place out of clearing footprint-	no-	Possum left in log and safely relocated out of clearing footprint with no handling required.-
2									
3									

Tree Felled- Date: 26/03/14

Fauna Spotter / Catcher: (name) Kris Hall

Licence Number: WIRP12501013

Habitat Tree Report / Encountered Fauna Log

Client: Probuild Civil	**Project:** NBRC Contract Number: 2322/2013-14/TTB/01

Date:19/02/14	**Road** Humphrey Binjour Road	**Chainage LHS**	190 approximately

Habitat Tree Report

#	Site H3	Photos	Description	
1	Identify common name and tree species:	4	*Stag*	
2	General description (height, DBH, health)	**Height**	**DBH**	**Health**
		8m	35cm	Dead
3	Location of the Individual from fog line (GPS)	Within works on top of embankment	S 25 33 142 E 151 27 029	
4	General description of fauna habitat (hollow / nest / termite mound / log)	hollows (Not marked "H" as inaccessible)		

Report completed: (name) Kris Hall

Habitat Tree Report / Encountered Fauna Log

Encountered Fauna Log

Individual #	Species (Common and Latin Name)	Age (mature, adolescent, juvenile)	Measurements			Condition (stressed, dazed, harmed?)	Release location (description/ GPS waypoint)	Does the individual require veterinary care / fauna rescue agency? (contact details)	Outcome / other comments:
			Sex	Length	Weight				
1	No Fauna	-	-	-	-	-	-	-	-
2									
3									

Tree Felled- Date: 27/03/14

Fauna Spotter / Catcher: (name) Kris Hall

Licence Number: WIRP12501013

Habitat Tree Report / Encountered Fauna Log

Client: Probuild Civil

Project: NBRC Contract Number: 2322/2013-14/TTB/01

Date: 19/02/14	**Road**	Humphrey Binjour Road	**Chainage LHS**	180 approximately	

Habitat Tree Report

#	Site H5a &b	Photos	Description	
1	Identify common name and tree species:	6-7	*Large logs*	
2	General description (height, DBH, health)	**Length**	**DBH**	**Health**
		10m & 5m	85cm & 65cm	Dead
3	Location of the Individual from fog line (GPS)	Within works top of embankment behind HT4	S 25 33 144 E 151 27 022	
4	General description of fauna habitat (hollow / nest / termite mound / log)	hollows (surrounded by patch of *Bertya pedicellata)*		

Report completed: (name) Kris Hall

Habitat Tree Report / Encountered Fauna Log

Encountered Fauna Log

Individual #	Species (Common and Latin Name)	Age (mature, adolescent, juvenile)	Measurements			Condition (stressed, dazed, harmed?)	Release location (description/ GPS waypoint)	Does the individual require veterinary care / fauna rescue agency? (contact details)	Outcome / other comments:
			Sex	Length	Weight				
1	Brown tree snake Boiga irregularis	-Juvenile	--	-45	--	-unharmed	50 meter from clearing footprint-	no-	 -

Tree Felled- Date: 1/4/14

Fauna Spotter / Catcher: (name) Kris Hall

Licence Number: WIRP12501013

Habitat Tree Report / Encountered Fauna Log

Client: Probuild Civil

Project: NBRC Contract Number: 2322/2013-14/TTB/01

Date: 19/02/14	**Road**	Humphrey Binjour Road	**Chainage LHS**	180 approximately	

Habitat Tree Report

#	Site H5a &b	Photos	Description	
1	Identify common name and tree species:	6-7	*Large logs*	
2	General description (height, DBH, health)	**Length**	**DBH**	**Health**
		10m & 5m	85cm & 65cm	Dead
3	Location of the Individual from fog line (GPS)	Within works top of embankment behind HT4	S 25 33 144 E 151 27 022	
4	General description of fauna habitat (hollow / nest / termite mound / log)	hollows (surrounded by patch of *Bertya pedicellata)*		

Report completed: (name) Kris Hall

Habitat Tree Report / Encountered Fauna Log

Encountered Fauna Log

Individual #	Species (Common and Latin Name)	Age (mature, adolescent, juvenile)	Measurements			Condition (stressed, dazed, harmed?)	Release location (description/ GPS waypoint)	Does the individual require veterinary care / fauna rescue agency? (contact details)	Outcome / other comments:
			Sex	Length	Weight				
1	No Fauna	-	-	-	-	-	-	-	-
2									
3									

Tree Felled- Date: 1/4/14

Fauna Spotter / Catcher: (name) Kris Hall

Licence Number: WIRP12501013

Habitat Tree Report / Encountered Fauna Log

Client: Probuild Civil

Project: NBRC Contract Number: 2322/2013-14/TTB/01

Date: 19/02/14	**Road**	Humphrey Binjour Road	**Chainage LHS**	160 approximately

Habitat Tree Report

#	Site H6	Photos	Description	
1	Identify common name and tree species:	8	Stag	
2	General description (height, DBH, health)	**Heights**	**DBH**	**Health**
		20m	30cm	Dead
3	Location of the Individual from fog line (GPS)	Within works on embankment	S 25 33 148 E 151 27 015	
4	General description of fauna habitat (hollow / nest / termite mound / log)	hollows (Not marked "H" as inaccessible)		

Report completed: (name) Kris Hall

Habitat Tree Report / Encountered Fauna Log

Encountered Fauna Log

Individual #	Species (Common and Latin Name)	Age (mature, adolescent, juvenile)	Measurements			Condition (stressed, dazed, harmed?)	Release location (description/ GPS waypoint)	Does the individual require veterinary care / fauna rescue agency? (contact details)	Outcome / other comments:
			Sex	Length	Weight				
1	No Fauna	-	-	-	-	-	-	-	-
2									
3									

Tree Felled- Date: 2/4/14

Fauna Spotter / Catcher: (name) Kris Hall

Licence Number: WIRP12501013

Habitat Tree Report / Encountered Fauna Log

Client: Probuild Civil

Project: NBRC Contract Number: 2322/2013-14/TTB/01

Date: 19/02/14	**Road**	Humphrey Binjour Road	**Chainage LHS**	160 approximately	

Habitat Tree Report

#	Site H7	Photos	Description	
1	Identify common name and tree species:	9	*Corymbia citriodora*	
2	General description (height, DBH, health)	**Heights**	**DBH**	**Health**
		15m	30cm	Alive/Dead
3	Location of the Individual from fog line (GPS)	Within works on embankment	S 25 33 148 E 151 27 015	
4	General description of fauna habitat (hollow / nest / termite mound / log)	hollows (Not marked "H" as inaccessible)		

Report completed: (name) Kris Hall

Habitat Tree Report / Encountered Fauna Log

Encountered Fauna Log

Individual #	Species (Common and Latin Name)	Age (mature, adolescent, juvenile)	Measurements			Condition (stressed, dazed, harmed?)	Release location (description/ GPS waypoint)	Does the individual require veterinary care / fauna rescue agency? (contact details)	Outcome / other comments:
			Sex	Length	Weight				
1	No fauna	-	-	-	-	-	-	-	-
2									
3									

Tree Felled- Date: 3/4/14

Fauna Spotter / Catcher: (name) Kris Hall

Licence Number: WIRP12501013

Habitat Tree Report / Encountered Fauna Log

Client: Probuild Civil

Project: NBRC Contract Number: 2322/2013-14/TTB/01

Date:19/02/14	**Road**	Humphrey Binjour Road	**Chainage LHS**	160 approximately

Habitat Tree Report

#	Site H8	Photos	Description	
1	Identify common name and tree species:	10	*Corymbia citriodora*	
2	General description (height, DBH, health)	**Heights**	**DBH**	**Health**
		25m	75cm	Alive/Dead
3	Location of the Individual from fog line (GPS)	Within works on embankment	S 25 33 148 E 151 27 015	
4	General description of fauna habitat (hollow / nest / termite mound / log)	Large hollows (Not marked "H" as inaccessible)		

Report completed: (name) Kris Hall

Habitat Tree Report / Encountered Fauna Log

Encountered Fauna Log

Individual #	Species (Common and Latin Name)	Age (mature, adolescent, juvenile)	Measurements			Condition (stressed, dazed, harmed?)	Release location (description/ GPS waypoint)	Does the individual require veterinary care / fauna rescue agency? (contact details)	Outcome / other comments:
			Sex	Length	Weight				
1	Chalinolobus sp' Micro bat	mature-	-	-	--	Dazed and unharmed-	50m from habitat tree-	-no	-
2	Chalinolobus sp' Micro bat	mature	-	-	-	Dazed and unharmed-	50m from habitat tree	no	
3									

Tree Felled- Date: 5/4/14

Fauna Spotter / Catcher: (name) Kris Hall

Licence Number: WIRP12501013

AKEARTH	**Habitat Tree Report / Encountered Fauna Log**	

Habitat Tree Report / Encountered Fauna Log

Client: Probuild Civil

Project: NBRC Contract Number: 2322/2013-14/TTB/01

Date: 19/02/14	**Road**	Humphrey Binjour Road	**Chainage LHS**	120 approximately	

Habitat Tree Report

#	Site H9a & b	Photos	Description	
1	Identify common name and tree species:	11-12	*Log and Stag*	
2	General description (height, DBH, health)	**Length & Heights**	**DBH**	**Health**
		10m & 25m	90cm & 120cm	Alive/Dead
3	Location of the Individual from fog line (GPS)	Within works top of embankment	S 25 33 150 E 151 27 011	
4	General description of fauna habitat (hollow / nest / termite mound / log)	Hollows and marked H		

Report completed: (name) Kris Hall

Habitat Tree Report / Encountered Fauna Log

Encountered Fauna Log

Individual #	Species (Common and Latin Name)	Age (mature, adolescent, juvenile)	Measurements			Condition (stressed, dazed, harmed?)	Release location (description/ GPS waypoint)	Does the individual require veterinary care / fauna rescue agency? (contact details)	Outcome / other comments:
			Sex	Length	Weight				
1	Bearded dragon pogona barbata	-adult	-?	40-	220-	unharmed-	-50 from habitat tree	-no	 -
2									

Tree Felled- Date: 6/4/14

Fauna Spotter / Catcher: (name) Kris Hall

Licence Number: WIRP12501013

Habitat Tree Report / Encountered Fauna Log

Client: Probuild Civil

Project: NBRC Contract Number: 2322/2013-14/TTB/01

Date: 19/02/14	**Road**	Humphrey Binjour Road	**Chainage LHS**	120 approximately	

Habitat Tree Report

#	Site H10	Photos	Description	
1	Identify common name and tree species:	13	Stag	
2	General description (height, DBH, health)	**Height**	**DBH**	**Health**
		25m	90cm	Dead
3	Location of the Individual from fog line (GPS)	Within works top of embankment	S 25 33 150 E 151 27 011	
4	General description of fauna habitat (hollow / nest / termite mound / log)	Hollows and marked H		

Report completed: (name) Kris Hall

Habitat Tree Report / Encountered Fauna Log

Encountered Fauna Log

Individual #	Species (Common and Latin Name)	Age (mature, adolescent, juvenile)	Measurements			Condition (stressed, dazed, harmed?)	Release location (description/ GPS waypoint)	Does the individual require veterinary care / fauna rescue agency? (contact details)	Outcome / other comments:
			Sex	Length	Weight				
1	Chalinobus sp' Micro bat	-adult	-	-	-	-unharmed	-50m from habitat tree	-No	-
2									
3									

Tree Felled- Date: 6/4/14

Fauna Spotter / Catcher: (name) Kris Hall

Licence Number: WIRP12501013

Habitat Tree Report / Encountered Fauna Log

Client: Probuild Civil

Project: NBRC Contract Number: 2322/2013-14/TTB/01

Date:19/02/14	**Road**	Humphrey Binjour Road	**Chainage LHS**	110 approximately

Habitat Tree Report

#	Site H11	Photos	Description	
1	Identify common name and tree species:	15-16	Corymbia trachyphloia	
2	General description (height, DBH, health)	**Height**	**DBH**	**Health**
		28m	75cm	Alive/Dead
3	Location of the Individual from fog line (GPS)	Within works top of embankment	S 25 33 158 E 151 27 010	
4	General description of fauna habitat (hollow / nest / termite mound / log)	Marginal Hollows and marked H		

Report completed: (name) Kris Hall

Habitat Tree Report / Encountered Fauna Log

Encountered Fauna Log

Individual #	Species (Common and Latin Name)	Age (mature, adolescent, juvenile)	Measurements			Condition (stressed, dazed, harmed?)	Release location (description/ GPS waypoint)	Does the individual require veterinary care / fauna rescue agency? (contact details)	Outcome / other comments:
			Sex	Length	Weight				
1	No fauna	-	-	-	-	-	-	-	-
2									
3									

Tree Felled- Date: 8/4/14

Fauna Spotter / Catcher: (name) Kris Hall

Licence Number: WIRP12501013

Habitat Tree Report / Encountered Fauna Log

Client: Probuild Civil

Project: NBRC Contract Number: 2322/2013-14/TTB/01

Date: 19/02/14	**Road**	Humphrey Binjour Road	**Chainage LHS**	110 approximately	

Habitat Tree Report

#	Site H12	Photos	Description	
1	Identify common name and tree species:	17	*Corymbia citriodora*	
2	General description (height, DBH, health)	**Height**	**DBH**	**Health**
		18m	60cm	Alive
3	Location of the Individual from fog line (GPS)	Within works on embankment	S 25 33 159 E 151 27 012	
4	General description of fauna habitat (hollow / nest / termite mound / log)	Marginal Hollows and marked H		

Report completed: (name) Kris Hall

Habitat Tree Report / Encountered Fauna Log

Encountered Fauna Log

Individual #	Species (Common and Latin Name)	Age (mature, adolescent, juvenile)	Measurements			Condition (stressed, dazed, harmed?)	Release location (description/ GPS waypoint)	Does the individual require veterinary care / fauna rescue agency? (contact details)	Outcome / other comments:
			Sex	Length	Weight				
1	No Fauna	-	-	-	-	-	-	-	-
2									
3									

Tree Felled- Date: 7/8/14

Fauna Spotter / Catcher: (name) Kris Hall

Licence Number: WIRP12501013

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Habitat Tree Report / Encountered Fauna Log

Client: Probuild Civil

Project: NBRC Contract Number: 2322/2013-14/TTB/01

Date:19/02/14	**Road**	Humphrey Binjour Road	**Chainage LHS**	100 approximately

Habitat Tree Report

#	Site H13	Photos	Description	
1	Identify common name and tree species:	18	*Stag*	
2	General description (height, DBH, health)	**Height**	**DBH**	**Health**
		6m	35cm	Dead
3	Location of the Individual from fog line (GPS)	Within works on embankment	S 25 33 166 E 151 27 008	
4	General description of fauna habitat (hollow / nest / termite mound / log)	Marginal Hollows and marked H		

Report completed: (name) Kris Hall

Habitat Tree Report / Encountered Fauna Log

Encountered Fauna Log

Individual #	Species (Common and Latin Name)	Age (mature, adolescent, juvenile)	Measurements			Condition (stressed, dazed, harmed?)	Release location (description/ GPS waypoint)	Does the individual require veterinary care / fauna rescue agency? (contact details)	Outcome / other comments:
			Sex	Length	Weight				
1	No fauna	-	-	-	-	-	-	-	-
2									
3									

Tree Felled- Date: 8/4/14

Fauna Spotter / Catcher: (name) Kris Hall

Licence Number: WIRP12501013

Habitat Tree Report / Encountered Fauna Log

Client: Probuild Civil

Project: NBRC Contract Number: 2322/2013-14/TTB/01

Date: 19/02/14	**Road**	Humphrey Binjour Road	**Chainage LHS**	100 approximately	

Habitat Tree Report

#	Site H14a & b	Photos	Description	
1	Identify common name and tree species:	19-20	*Stags*	
2	General description (height, DBH, health)	**Height**	**DBH**	**Health**
		6m & 7m	30cm & 30cm	Both Dead
3	Location of the Individual from fog line (GPS)	Within works on embankment	S 25 33 170 E 151 27 009	
4	General description of fauna habitat (hollow / nest / termite mound / log)	Hollows and 1 x marked H 1 x not marked		

Report completed: (name) Kris Hall

Habitat Tree Report / Encountered Fauna Log

Encountered Fauna Log

Individual #	Species (Common and Latin Name)	Age (mature, adolescent, juvenile)	Measurements			Condition (stressed, dazed, harmed?)	Release location (description/ GPS waypoint)	Does the individual require veterinary care / fauna rescue agency? (contact details)	Outcome / other comments:
			Sex	Length	Weight				
1	Australian Owlet-nightjar Aegotheles cristatus	adult-	-?	?-	-	-unharmed	Self relocated-	no-	Nesting in hollow log on ground within batter.-
2									
3									

Tree Felled- Date: 10/4/14

Fauna Spotter / Catcher: (name) Kris Hall

Licence Number: WIRP12501013

Australian Government

Department of the Environment

EPBC Act Protected Matters Report

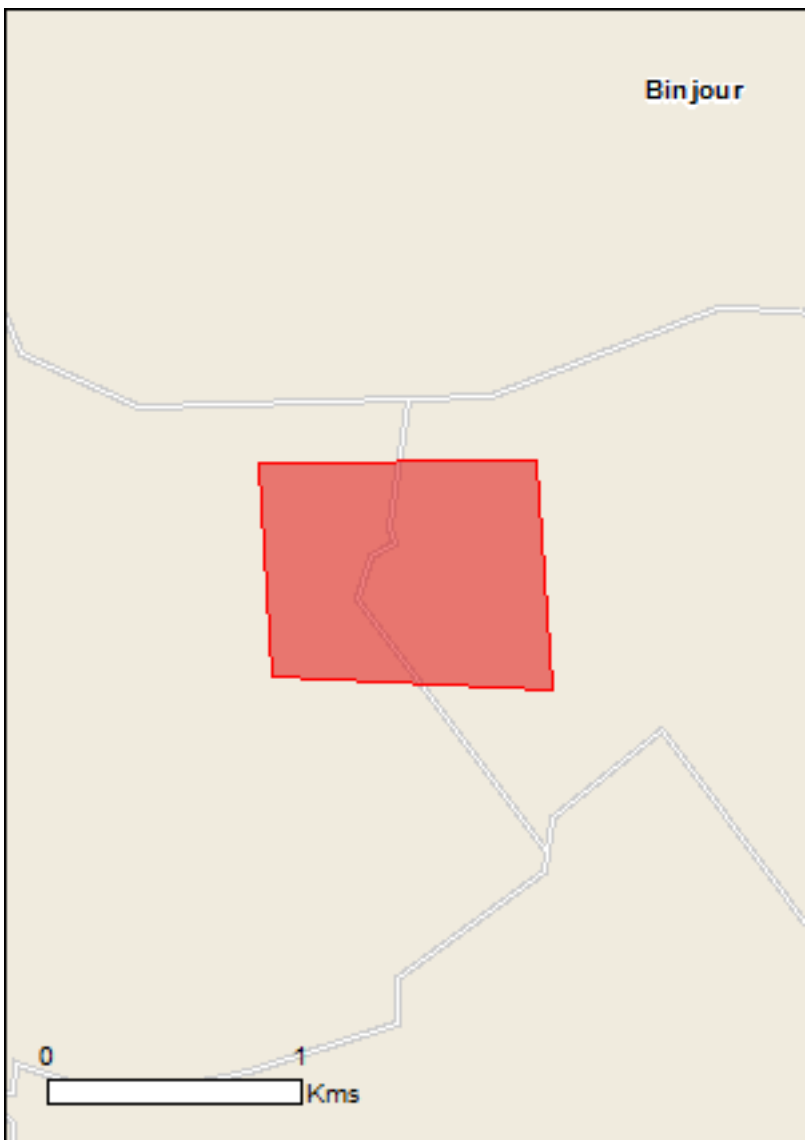
This report provides general guidance on matters of national environmental significance and other matters protected by the EPBC Act in the area you have selected.

Information on the coverage of this report and qualifications on data supporting this report are contained in the caveat at the end of the report.

Information is available about Environment Assessments and the EPBC Act including significance guidelines, forms and application process details.

Report created: 06/02/14 17:27:17

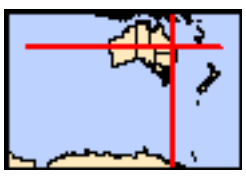
Summary
Details
Matters of NES
Other Matters Protected by the EPBC Act
Extra Information
Caveat
Acknowledgements



This map may contain data which are ©Commonwealth of Australia (Geoscience Australia), ©PSMA 2010

Coordinates

Buffer: 0.0Km



Summary

Matters of National Environmental 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:	None
Great Barrier Reef Marine Park:	None
Commonwealth Marine Areas:	None
Listed Threatened Ecological Communities:	3
Listed Threatened Species:	19
Listed Migratory Species:	12

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 environment anywhere.

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 and the heritage values of a place on the Register of the National Estate.

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 environment anywhere.

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 Land:	None
Commonwealth Heritage Places:	None
Listed Marine Species:	15
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Commonwealth Reserves Marine	None

Extra Information

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

Place on the RNE:	None
State and Territory Reserves:	None
Regional Forest Agreements:	None
Invasive Species:	25
Nationally Important Wetlands:	None
Key Ecological Features (Marine)	None

Details

Matters of National Environmental Significance

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.

Name	Status	Type of Presence
Coolibah - Black Box Woodlands of the Darling Riverine Plains and the Brigalow Belt South Bioregions	Endangered	Community may occur within area
Semi-evergreen vine thickets of the Brigalow Belt (North and South) and Nandewar Bioregions	Endangered	Community likely to occur within area
Weeping Myall Woodlands	Endangered	Community may occur within area

Listed Threatened Species [Resource Information]

Name	Status	Type of Presence
Birds		
Erythrotriorchis radiatus Red Goshawk [942]	Vulnerable	Species or species habitat likely to occur within area
Geophaps scripta scripta Squatter Pigeon (southern) [64440]	Vulnerable	Species or species habitat likely to occur within area
Lathamus discolor Swift Parrot [744]	Endangered	Species or species habitat may occur within area
Neochmia ruficauda ruficauda Star Finch (eastern), Star Finch (southern) [26027]	Endangered	Species or species habitat likely to occur within area
Poephila cincta cincta Black-throated Finch (southern) [64447]	Endangered	Species or species habitat may occur within area
Rostratula australis Australian Painted Snipe [77037]	Endangered	Species or species habitat may occur within area

Name	Status	Type of Presence
Turnix melanogaster		
Black-breasted Button-quail [923]	Vulnerable	Species or species habitat likely to occur within area
Mammals		
Chalinolobus dwyeri		
Large-eared Pied Bat, Large Pied Bat [183]	Vulnerable	Species or species habitat may occur within area
Dasyurus hallucatus		
Northern Quoll [331]	Endangered	Species or species habitat may occur within area
Nyctophilus corbeni		
South-eastern Long-eared Bat [83395]	Vulnerable	Species or species habitat may occur within 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 may occur within area
Plants		
Acacia grandifolia		
[3566]	Vulnerable	Species or species habitat likely to occur within area
Cadellia pentastylis		
Ooline [9828]	Vulnerable	Species or species habitat likely to occur within area
Pomaderris clivicola		
[55151]	Vulnerable	Species or species habitat likely to occur within area
Streblus pendulinus		
Siah's Backbone, Sia's Backbone, Isaac Wood [21618]	Endangered	Species or species habitat may occur within area
Reptiles		
Delma torquata		
Collared Delma [1656]	Vulnerable	Species or species habitat may occur within area
Denisonia maculata		
Ornamental Snake [1193]	Vulnerable	Species or species habitat may occur within area
Egernia rugosa		
Yakka Skink [1420]	Vulnerable	Species or species habitat may occur within area
Furina dunmalli		
Dunmall's Snake [59254]	Vulnerable	Species or species habitat may occur within area

Listed Migratory Species		[Resource Information]
* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.		
Name	Threatened	Type of Presence
Migratory Marine Birds		
Apus pacificus		
Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Migratory Terrestrial Species		
Haliaeetus leucogaster		
White-bellied Sea-Eagle [943]		Species or species habitat may occur within area
Hirundapus caudacutus		
White-throated Needletail [682]		Species or species habitat may occur within

Name	Threatened	Type of Presence
		area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area
Monarcha melanopsis Black-faced Monarch [609]		Species or species habitat likely to occur within area
Monarcha trivirgatus Spectacled Monarch [610]		Species or species habitat may occur within area
Myiagra cyanoleuca Satin Flycatcher [612]		Species or species habitat known to occur within area
Rhipidura rufifrons Rufous Fantail [592]		Species or species habitat likely to occur within area
Migratory Wetlands Species		
Ardea alba Great Egret, White Egret [59541]		Species or species habitat likely to occur within area
Ardea ibis Cattle Egret [59542]		Species or species habitat likely to occur within area
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]		Species or species habitat may occur within area
Rostratula benghalensis (sensu lato) Painted Snipe [889]	Endangered*	Species or species habitat may occur within area

Other Matters Protected by the EPBC Act

Listed Marine Species		[Resource Information]
* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.		
Name	Threatened	Type of Presence
Birds		
Anseranas semipalmata Magpie Goose [978]		Species or species habitat may occur within area
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Ardea alba Great Egret, White Egret [59541]		Species or species habitat likely to occur within area
Ardea ibis Cattle Egret [59542]		Species or species habitat likely to occur within area
Gallinago hardwickii Latham's Snipe, Japanese Snipe [863]		Species or species habitat may occur within area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat may occur within

Name	Threatened	Type of Presence
		area
Hirundapus caudacutus White-throated Needletail [682]		Species or species habitat may occur within area
Lathamus discolor Swift Parrot [744]	Endangered	Species or species habitat may occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area
Monarcha melanopsis Black-faced Monarch [609]		Species or species habitat likely to occur within area
Monarcha trivirgatus Spectacled Monarch [610]		Species or species habitat may occur within area
Myiagra cyanoleuca Satin Flycatcher [612]		Species or species habitat known to occur within area
Pandion haliaetus Osprey [952]		Species or species habitat may occur within area
Rhipidura rufifrons Rufous Fantail [592]		Species or species habitat likely to occur within area
Rostratula benghalensis (sensu lato) Painted Snipe [889]	Endangered*	Species or species habitat may occur within area

Extra Information

Invasive Species	[Resource Information]

Weeds reported here are the 20 species of national significance (WoNS), along with other introduced plants that are considered by the States and Territories to pose a particularly significant threat to biodiversity. The following feral animals are reported: Goat, Red Fox, Cat, Rabbit, Pig, Water Buffalo and Cane Toad. Maps from Landscape Health Project, National Land and Water Resouces Audit, 2001.

Name	Status	Type of Presence
Birds		
Columba livia Rock Pigeon, Rock Dove, Domestic Pigeon [803]		Species or species habitat likely to occur within area
Lonchura punctulata Nutmeg Mannikin [399]		Species or species habitat likely to occur within area

Name	Status	Type of Presence
[Passer domesticus](#) House Sparrow [405]		Species or species habitat likely to occur within area
[Streptopelia chinensis](#) Spotted Turtle-Dove [780]		Species or species habitat likely to occur within area
[Sturnus vulgaris](#) Common Starling [389]		Species or species habitat likely to occur within area
Frogs		
[Bufo marinus](#) Cane Toad [1772]		Species or species habitat likely to occur within area
[Rhinella marina](#) Cane Toad [83218]		Species or species habitat likely to occur within area
Mammals		
[Bos taurus](#) Domestic Cattle [16]		Species or species habitat likely to occur within area
[Canis lupus familiaris](#) Domestic Dog [82654]		Species or species habitat likely to occur within area
[Felis catus](#) Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area
[Lepus capensis](#) Brown Hare [127]		Species or species habitat likely to occur within area
[Mus musculus](#) House Mouse [120]		Species or species habitat likely to occur within area
[Oryctolagus cuniculus](#) Rabbit, European Rabbit [128]		Species or species habitat likely to occur within area
[Sus scrofa](#) Pig [6]		Species or species habitat likely to occur within area
[Vulpes vulpes](#) Red Fox, Fox [18]		Species or species habitat likely to occur within area
Plants		
[Anredera cordifolia](#) Madeira Vine, Jalap, Lamb's-tail, Mignonette Vine, Anredera, Gulf Madeiravine, Heartleaf Madeiravine, Potato Vine [2643]		Species or species habitat likely to occur within area
[Cryptostegia grandiflora](#) Rubber Vine, Rubbervine, India Rubber Vine, India Rubbervine, Palay Rubbervine, Purple Allamanda [18913]		Species or species habitat likely to occur within area
[Cylindropuntia spp.](#) Prickly Pears [85131]		Species or species habitat likely to occur within area
[Dolichandra unguis-cati](#) Cat's Claw Vine, Yellow Trumpet Vine, Cat's Claw Creeper, Funnel Creeper [85119]		Species or species habitat likely to occur within area
[Hymenachne amplexicaulis](#) Hymenachne, Olive Hymenachne, Water Stargrass,		Species or species

Name	Status	Type of Presence
West Indian Grass, West Indian Marsh Grass [31754]		habitat likely to occur within area
Lantana camara Lantana, Common Lantana, Kamara Lantana, Large-leaf Lantana, Pink Flowered Lantana, Red Flowered Lantana, Red-Flowered Sage, White Sage, Wild Sage [10892]		Species or species habitat likely to occur within area
Opuntia spp. Prickly Pears [82753]		Species or species habitat likely to occur within area
Parkinsonia aculeata Parkinsonia, Jerusalem Thorn, Jelly Bean Tree, Horse Bean [12301]		Species or species habitat likely to occur within area
Parthenium hysterophorus Parthenium Weed, Bitter Weed, Carrot Grass, False Ragweed [19566]		Species or species habitat likely to occur within area
Solanum elaeagnifolium Silver Nightshade, Silver-leaved Nightshade, White Horse Nettle, Silver-leaf Nightshade, Tomato Weed, White Nightshade, Bull-nettle, Prairie-berry, Satansbos, Silver-leaf Bitter-apple, Silverleaf-nettle, Trompillo [12323]		Species or species habitat likely to occur within area

Coordinates

-25.551147 151.446833,-25.551069 151.456789,-25.558425 151.457347,-25.558 151.447305,
-25.551147 151.446833

Caveat

The information presented in this report has been provided by a range of data sources as acknowledged at the end of the report.

This report is designed to assist in identifying the locations of places which may be relevant in determining obligations under the Environment Protection and Biodiversity Conservation Act 1999. It holds mapped locations of World Heritage and Register of National Estate properties, Wetlands of International Importance, Commonwealth and State/Territory reserves, listed threatened, migratory and marine species and listed threatened ecological communities. Mapping of Commonwealth land is not complete at this stage. Maps have been collated from a range of sources at various resolutions.

Not all species listed under the EPBC Act have been mapped (see below) and therefore a report is a general guide only. Where available data supports mapping, the type of presence that can be determined from the data is indicated in general terms. People using this information in making a referral may need to consider the qualifications below and may need to seek and consider other information sources.

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.

For species where the distributions are well known, maps are digitised from sources such as recovery plans and detailed habitat studies. Where appropriate, core breeding, foraging and roosting areas are indicated under 'type of presence'. For species whose distributions are less well known, point locations are collated from government wildlife authorities, museums, and non-government organisations; bioclimatic distribution models are generated and these validated by experts. In some cases, the distribution maps are based solely on expert knowledge.

Only selected species covered by the following provisions of the EPBC Act have been mapped:

- migratory and
- marine

The following species and ecological communities have not been mapped and do not appear in reports produced from this database:

- threatened species listed as extinct or considered as vagrants
- some species and ecological communities that have only recently been listed
- some terrestrial species that overfly the Commonwealth marine area
- migratory species that are very widespread, vagrant, or only occur in small numbers

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

- non-threatened seabirds which have only been mapped for recorded breeding sites
- seals which have only been mapped for breeding sites near the Australian continent

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

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:

-Department of Environment, Climate Change and Water, New South Wales
-Department of Sustainability and Environment, Victoria
-Department of Primary Industries, Parks, Water and Environment, Tasmania
-Department of Environment and Natural Resources, South Australia
-Parks and Wildlife Service NT, NT Dept of Natural Resources, Environment and the Arts
-Environmental and Resource Management, Queensland
-Department of Environment and Conservation, Western Australia
-Department of the Environment, Climate Change, Energy and Water
-Birds Australia
-Australian Bird and Bat Banding Scheme
-Australian National Wildlife Collection
-Natural history museums of Australia
-Museum Victoria
-Australian Museum
-SA 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, Atherton and Canberra
-University of New England
-Ocean Biogeographic Information System
-Australian Government, Department of Defence
-State Forests of NSW
-Geoscience Australia
-CSIRO
-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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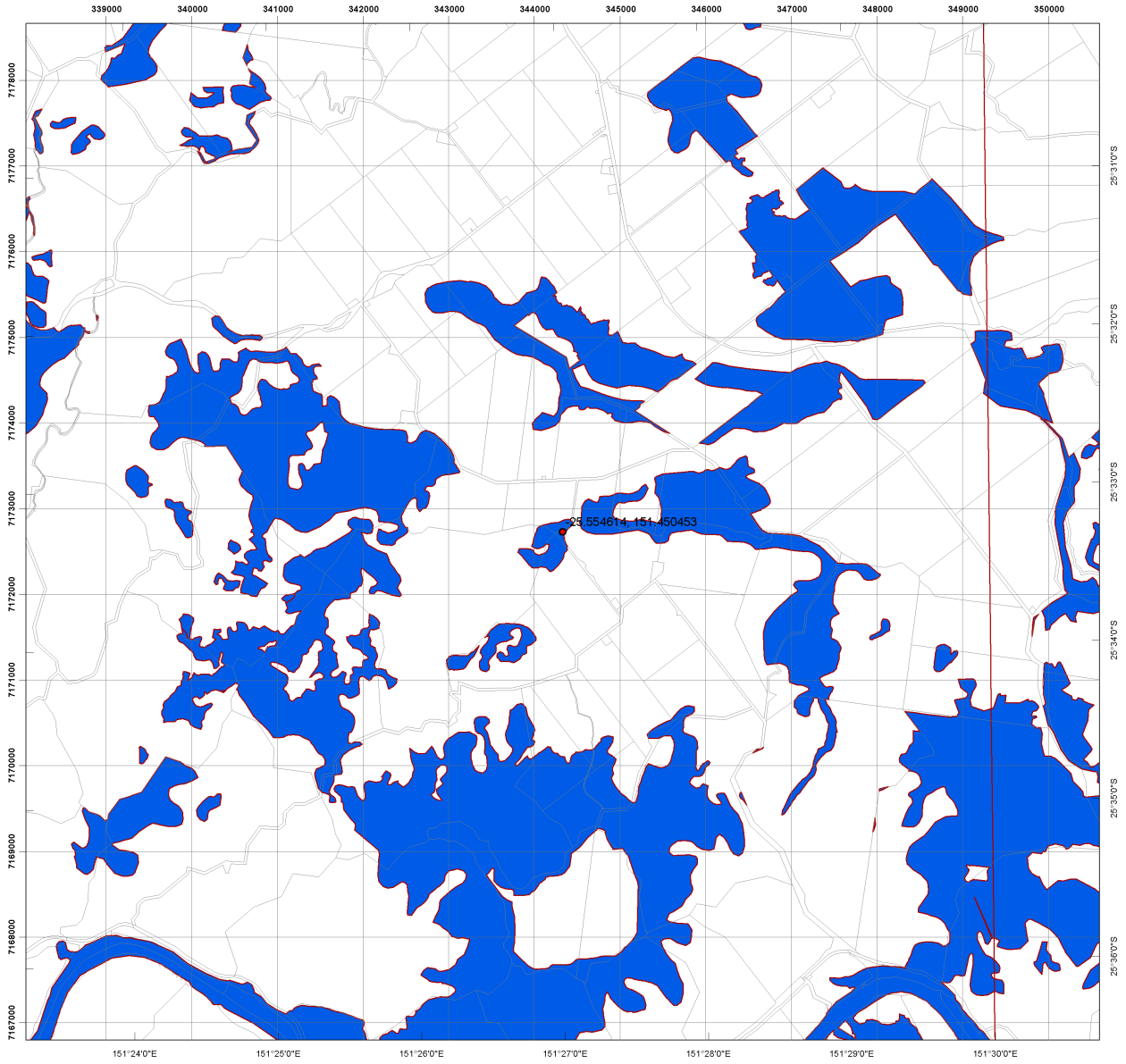
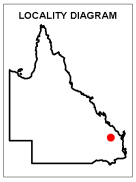


Regulated Vegetation Management Map

Legend

- Coordinates
- Category A area (Vegetation offsets/compliance notices/VDecs)
- Category B area (Remnant vegetation)
- Category C area (High-value regrowth vegetation)
- Category R area (Reef regrowth watercourse vegetation)
- Category X area (Vegetation not regulated under the VMA)
- Water
- Area not categorised
- Cadastral line
  Property boundaries shown are provided as a locational aid only



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Additional information required for the assessment of vegetation values is provided in the accompanying "Vegetation Management Supporting map". For further information go to the web site: www.dnrm.qld.gov.au or contact the Department of Natural Resources and Mines.

Digital data for the regulated vegetation management map is available from the Queensland Spatial Portal at http://www.information.qld.gov.au/

This map is updated on a monthly basis to ensure new PMAVs are included as they are approved.

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This product is projected into:
GDA 1994 MGA Zone 56

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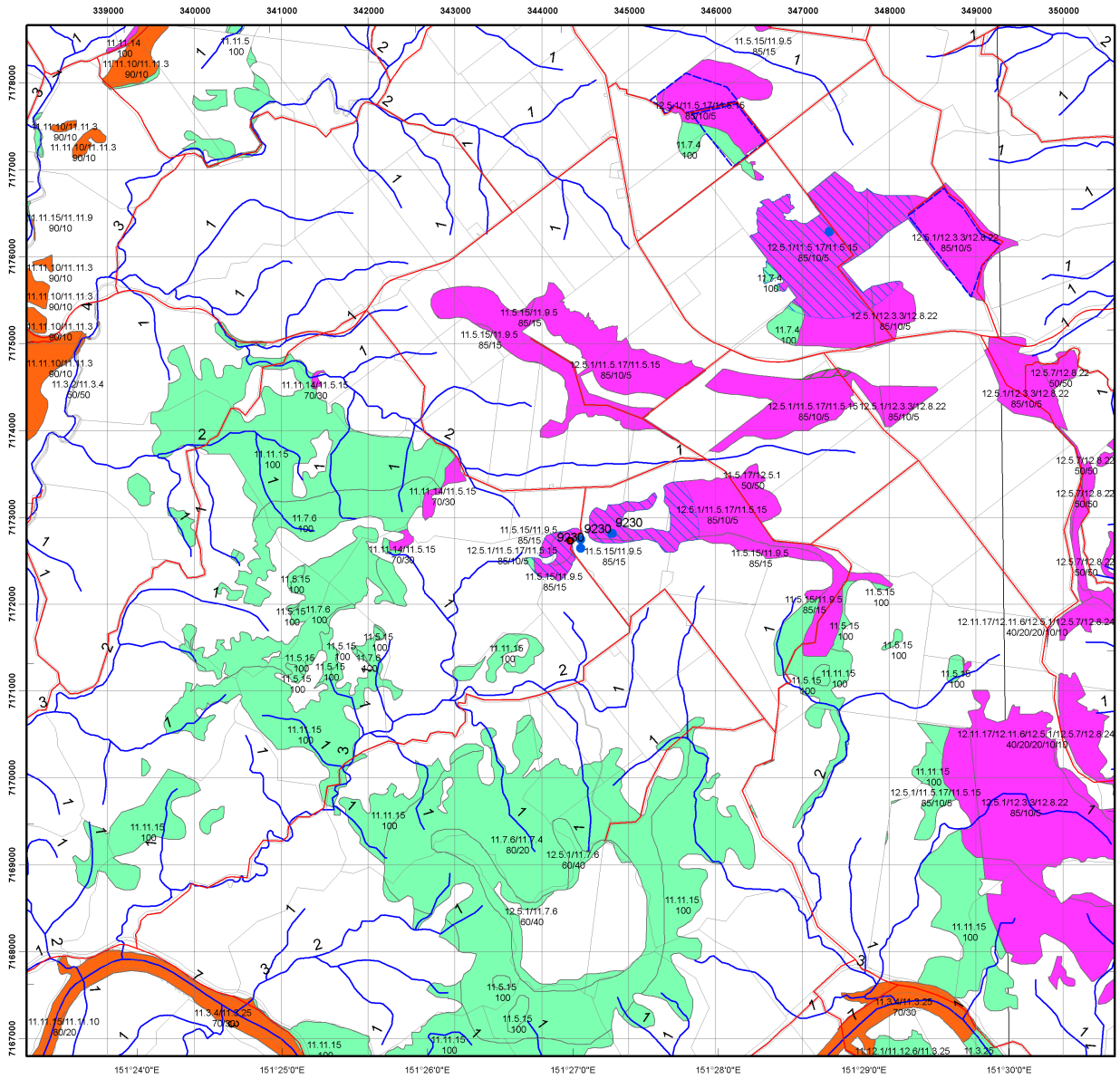
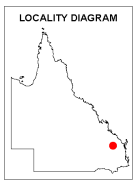


Vegetation Management Supporting Map

Legend

- Coordinates
- Category A or B area containing endangered regional ecosystems
- Category A or B area containing of concern regional ecosystems
- Category A or B area that is a least concern regional ecosystem
- Category A or B area containing remnant vegetation
- Category A or B area under Section 20AH
  These areas are edged in yellow and filled with the remnant RE Status
- Category C area containing endangered regional ecosystems
- Category C area containing of concern regional ecosystems
- Category C area that is a least concern regional ecosystem
- Category C area containing high value regrowth vegetation
- Category C area under Section 20AI
  These areas are edged in purple and filled with the remnant RE Status
- Non Remnant
- Water
- Wetland on the vegetation management wetlands map
- Essential habitat on the essential habitat map
- Essential habitat species record
- Watercourse on the vegetation management watercourse map
  (Stream order shown as black number against stream where available)
- Roads
  © Pitney Bowes Software Pty Ltd
- National Parks, State Forest and other reserves
- Cadastral line
  Property boundaries shown are provided as a locational aid only

LOCALITY DIAGRAM



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This product is projected into:
GDA 1994 MGA Zone 56

Labels for Essential Habitat are centred on the area of enquiry.

Regional ecosystem linework has been compiled at a scale of 1:100 000, except in designated areas where a compilation scale of 1:50 000 is available. Linework should be used as a guide only. The positional accuracy of RE data mapped at a scale of 1:100 000 is +/- 100 metres.

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Additional information may be required for the purposes of land clearing or assessment of a regional ecosystem map or PMAV applications. For further information go to the web site: www.dnrm.qld.gov.au or contact the Department of Natural Resources and Mines.

Digital data for the vegetation management watercourse map, vegetation management wetlands map, essential habitat map and the vegetation management remnant and regional ecosystem map are available from the Queensland Spatial Portal at http://www.information.qld.gov.au/

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Vegetation Management Act 1999 - Extract from the essential habitat database - version 4.0

Essential habitat is required for assessment under the:

- State Development Assessment Provisions - Module 8: Native vegetation clearing which sets out the matters of interest to the state for development assessment under the *Sustainable Planning Act 2009*; and
- Self-assessable vegetation clearing codes made under the *Vegetation Management Act 1999*

Essential habitat for one or more of the following species is found on and within 1.1 km of the identified subject lot/s or on and within 2.2 km of an identified coordinate on the accompanying essential habitat map.

This report identifies essential habitat in Category A, B and Category C areas.

The numeric labels on the essential habitat map can be cross referenced with the database below to determine which essential habitat factors might exist for a particular species.

Essential habitat is compiled from a combination of species habitat models and buffered species records.

The Department of Natural Resources and Mines website (http://www.dnrm.qld.gov.au) has more information on how the layer is applied under the State Development Assessment Provisions - Module 8: Native vegetation clearing and the *Vegetation Management Act 1999*.

Regional ecosystem is a mandatory essential habitat factor, unless otherwise stated.

Essential habitat, for protected wildlife, means a category A area, a category B area or category C area shown on the regulated vegetation management map-

1) (a) that has at least 3 essential habitat factors for the protected wildlife that must include any essential habitat factors that are stated as mandatory for the protected wildlife in the essential habitat database; or
2) (b) in which the protected wildlife, at any stage of its life cycle, is located.

Essential habitat identifies endangered or vulnerable native wildlife prescribed under the *Nature Conservation Act 1994*.

Essential habitat in Category A and B (Remnant vegetation species record) areas:2200m Species Information

Label	Scientific Name	Common Name	NCA Status	Vegetation Community	Altitude	Soils	Position in Landscape
9230	Pomaderris clivicola	None	E	Corymbia citriodora emergents with rainforest understorey; tall open forest of Eucalyptus cloeziana, Corymbia citriodora; semi-evergreen vine thicket remnant on steep hillside; mixed closed forest with Acacia, Alphitonia overstorey above simple microphyll low mixed closed forest	250 to 600 m	brown to red sandy clay loam or clay loam sometimes recorded as crumbly and rocky	steep hill slope

Essential habitat in Category A and B (Remnant vegetation species record) areas:2200m Regional Ecosystems Information

Label	Regional Ecosystem (this is a mandatory essential habitat factor, unless otherwise stated)
9230	11.5.15, 12.5.1, 12.11.5, 12.11.17

Essential habitat in Category A and B (Remnant vegetation) areas:2200m Species Information - (no results)

Essential habitat in Category A and B (Remnant vegetation) areas:2200m Regional Ecosystems Information - (no results)

Essential habitat in Category C (High value regrowth vegetation) areas:2200m Species Information - (no results)

Essential habitat in Category C (High value regrowth vegetation) areas:2200m Regional Ecosystems Information - (no results)

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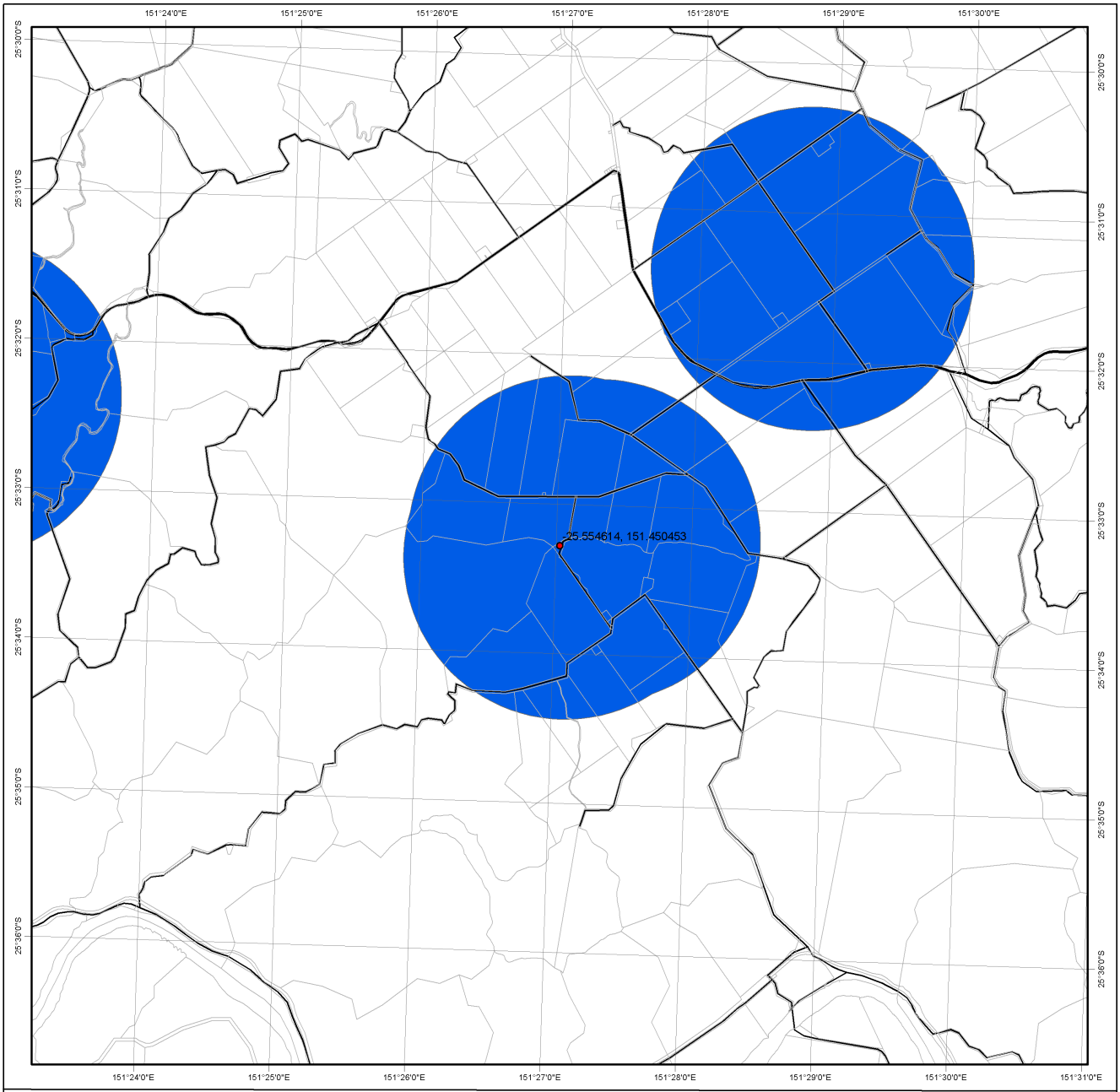


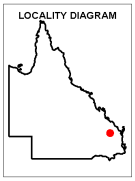
Protected Plants Flora Survey Trigger Map

Legend

- Coordinates
- High risk area
- Cadastral line
  Property boundaries shown are provided as a locational aid only
- Freeways / motorways / highways
- Secondary roads / streets

Queensland Government

LOCALITY DIAGRAM



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This product is projected into:
GDA 1994 Queensland Albers

This map shows areas where particular provisions of the Nature Conservation Act 1992 apply to the clearing of protected plants.

This map is produced at a scale relevant to the size of the area selected and should be printed as A4 size in portrait orientation.

For further information or assistance with interpretation of this product, please contact the Department of Environment and Heritage Protection at palm@ehp.qld.gov.au

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