



COTERRA
ENVIRONMENT

Habitat Tree Protection Plan

**Lot 301 Stock Road & Lot 302 Lage Road,
Bullsbrook**

Revision 0

December 2020



CALIBRE | COMMITMENT | COLLABORATION

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1 Introduction

1.1 Background

Lot 301 Stock Road (owned by Clough Nominees Pty Ltd) and Lot 302 Lage Road (owned by McRae Investments Pty Ltd and H&E Park) are located approximately 2km south-east of the existing Bullsbrook townsite and to the east of the Great Northern Highway, within the locality of Bullsbrook ('the site'; Figure 1).

The site is predominantly cleared as a result of agricultural practice, and contains some remnant vegetation areas (Figure 2). The site extends over approximately 625 ha and includes 219 future rural residential lots (Figure 3).

1.2 Town Planning

The site is located within an area which is zoned "Rural-Landscape" under the City of Swan (CoS) Local Planning Scheme (LPS17) No. 17 (City of Swan, 2017) and "Rural" under the Metropolitan Region Scheme (MRS) (WAPC, 2014).

The objectives of the Rural-Landscape zone, as listed within LPS17, are to:

- a) Provide for low density rural residential development and associated rural residential activities, recognising the visual characteristics of the landscape;
- b) Ensure as far as practicable, that the environment and landscape characteristics of the area are not compromised by development and use of land for either rural or residential purposes;
- c) Encourage the rehabilitation of degraded areas through selected replanting of indigenous flora.

The Department of Biodiversity, Conservation and Attractions (DBCA) have provided comment on the proposed Structure Plan for this site including the following:

- Large trees constitute potential nesting hollows for the threatened Carnaby's Cockatoo. At this stage, the proponent needs to be aware that large trees with a diameter greater than 1m need to be retained.

Following review of the comments received the proponent advised the following in relation to the above matter:

- Tree retention is controlled pursuant to Section 2.4 Environmental Considerations of the City's 'POL-TP-126 Rural Zones – Building and Development Standards', remnant vegetation (including significant trees) in the Landscape zone is not be removed or modified except with the City's approval. There is a presumption that this restriction applies to all the land outside of nominated building envelopes.
- Within building envelopes, firebreaks and roads, a tree survey will be undertaken prior to subdivision identifying any significant trees suitable for retention, including those with a diameter of 1 metre.

The Structure Plan for the site was then approved as Structure Plan No. 11 (Appendix 1) and endorsed by the Western Australian Planning Commission (WAPC) on 10 February 2020 with conditions, including the requirement for the following, of relevance to this report:

- Habitat Tree Protection Plan to be provided in accordance with the referral guidelines of the Environmental Protection Biodiversity Conservation Act as part of a subdivision application.



1.3 Purpose of this Report

The development of Lot 301 Stock Road and 302 Lage Road, Bullsbrook will involve the creation of rural residential lots and their associated infrastructure.

This purpose of this plan is to identify and prioritise habitat trees with a diameter of 1m and greater for retention, and provide guidance and suggested management methods to protect the habitat trees during development and post-construction of the site.

2 Existing Environment

2.1 Climate

The Bullsbrook area is typified by a warm Mediterranean climate. The mean monthly maximum temperature at the Royal Australian Airforce Base, Pearce, which is the nearest reporting station, ranges from 33.7°C in January to 18.3°C in July. The mean monthly minimum temperature ranges from 17.6°C in February to 8.2°C in August. Average annual rainfall is 638.7mm per year, with most rain falling in the winter months. July has the highest mean monthly rainfall of 123.4mm (Bureau of Meteorology, 2020).

Table 1: Average Monthly Rainfall

Month	Average Rainfall (mm)
January	14.2
February	13.9
March	17.3
April	26.4
May	77.8
June	109.8
July	123.4
August	107.6
September	70.2
October	32.0
November	21.6
December	12.6

Source: BOM, 2020

2.2 Topography, Soils and Geology

The site is located along the western boundary of the Darling Plateau and includes the Darling Scarp with steep slopes to the west (Cardno, 2011). The Darling Plateau comprises Archaean rocks mainly of granite, gneiss, migmatite and intruded doleritic dykes associated with the Yilgarn Block (Playford et al., 1976).

1:50,000 geological mapping (Gozzard, 1982) identifies the following with regards to geological condition at the site:

- The majority of the eastern portion of the site consists of the granite soil unit (SR) described as “fine to coarse grained with low permeability, high stability and low ease of excavation”.
- The central portion of the site consists of the schist (SC2) soil unit, which is described as “grey to pale grey, highly schistose quartz mica schist, which has low permeability”.
- A majority of the western portion of the site consists of the sandy silt (Msg) soil unit described as “firm, friable, dispersive in part, occasional pebbly horizons, which has low permeability” (Cardno, 2011).

The topography of the site ranges from 70 to 230mAHD and is shown on Figure 2.

2.3 Hydrology

2.3.1 Groundwater

A Local Water Management Strategy (LWMS) was approved for the site in 2011. The LWMS confirms that groundwater in the west of the site is 15m below ground surface, and that given the majority of the site is located east of the Darling Scarp, groundwater is not located in proximity to the surface (Roberts Day, 2020).

2.3.2 Surface water and drainage

The site is located within the Swan River Surface Water Management Area, which is proclaimed under the *Rights in Water and Irrigation Act 1914* (RIWI Act) (Cardno, 2017). Surface water features are shown on Figure 2. No major waterways traverse the site. No wetlands or permanent streams are located on the site (Cardno, 2017). Numerous small drainage pathways are located across the site, namely in association with topographical elevations and valley floors, which contain minimal native vegetation, no defined channels and would only flow in response to rainfall events (Cardno, 2017).

Typically for the site, drainage flows east to west down the face of the Darling Scarp and into the Ellen Brook (Cardno, 2017).

2.4 Vegetation and Flora

2.4.1 Vegetation

Cardno (2011) undertook flora and vegetation investigations on the site and determined four existing community types, including:

- Community H1: Heath to low shrubland of *Calothamnus quadrifidus*, *Hypocalymma angustifolium*, *Acacia pulchella*, *Trymalium floribundum* and *Hibbertia* spp. with emergent *Corymbia calophylla* and *Eucalyptus wandoo* over *Dryandra lindleyana*, *Phyllanthus calycinus* and a herbaceous ground cover.
- Community T1 – Thicket to scrub of *Acacia pulchella* with emergent *Corymbia calophylla*, *Eucalyptus wandoo* and *Acacia saligna* over *Melaleuca radula*, *Darwinia citriodora*, *Hypocalymma angustifolium*, *Baeckea camphorosmae* over a herbaceous ground cover.
- Community T2 – Low open woodland of *Corymbia calophylla* (to 10 m) over *Trymalium floribundum*, *Xanthorrhoea preissii* and *Acacia pulchella* over herbaceous ground cover.
- Community T3 – Developed agricultural paddocks with scattered trees and shrubs of *Corymbia calophylla*, *Eucalyptus wandoo* and *Xanthorrhoea preissii*.

The agricultural paddocks (Community T3) dominated 99% of the site. Based on this agricultural disturbance, vegetation condition was described as 'Completely Degraded' for the majority of the site (Cardno, 2011).

2.4.2 Flora

No significant declared rare flora (DRF) or priority flora (PF) were found within the site (Cardno, 2011).

2.5 Fauna and Habitat

2.5.1 General Site Values

Due to the extensive clearing, no formal fauna surveys have been conducted on the site. Fauna values have been assessed on the site on the basis of habitat value, shelter and food for fauna, and were determined to have limited value (Cardno, 2011). The site is located adjacent to Walyunga National Park which provides extensive fauna habitat opportunities.



2.5.2 Habitat trees

Although there is a lack of intact native vegetation present on the site, the individual remnant and regrowth trees may act as a wildlife corridor and also provide avifauna habitat opportunities. As such, a habitat tree survey was undertaken by Western Wildlife (2020) to determine the presence of potential habitat trees on site, which may provide fauna value (Figure 4). Habitat trees were defined as any native tree with a DBH ≥ 100 cm (Western Wildlife, 2020). Trees were identified in the following parts of the site as shown in the LSP design:

- Proposed roads
- Proposed building envelopes
- Proposed asset protection zone (APZs)
- Proposed fire service access route
- Firebreaks within 3m of the proposed lot boundaries

The above areas were selected for survey, as these are locations where impacts to trees could occur. Vegetation will be retained in the remaining portions of the site.

Some trees outside the areas above were recorded opportunistically, but the remaining parts of the study area were not exhaustively sampled (Figure 4).

For each habitat tree, the following details were recorded:

- GPS location in eastings and northings
- Tree species
- Diameter at breast height in cm, rounded to the nearest 5cm
- Tree status (live or dead) Notes on the presence of tree hollows, tree crevices or evidence of tree use by fauna.

A total of 155 habitat trees were identified during the survey (Appendix 2).

The majority of the trees identified were Marri (*Corymbia calophylla*), and 71% of those trees had a DBH of between 100cm and 110cm. Seventy-nine trees were noted to contain hollows or crevices, and some of these appeared to support nesting Galahs, feral bees and ducks.

Table 2: Habitat Trees in the Study Area

Tree Species	DBH(cm)														Total
	90	100	105	110	115	120	125	130	135	140	145	150	155	165	
Flooded Gum (<i>Eucalyptus rudis</i>)			1	1		2				1					5
Marri (<i>Corymbia calophylla</i>)		36	13	22	9	5	3	2	2	1	1	3	1	1	99

Tree Species	DBH(cm)														Total
	90	100	105	110	115	120	125	130	135	140	145	150	155	165	
Wandoo (<i>Eucalyptus wandoo</i>)	1	20	10	7	5	2	1		2	2		1			51
Total	1	56	24	30	14	9	4	2	4	4	1	4	1	1	155

2.5.3 Fauna (opportunistic)

Forty-seven species of fauna were observed opportunistically during the survey and included:

- Two reptiles (Black-tailed Monitor, Bobtail)
- Two mammals (Emu, Western Grey Kangaroo)
- 43 birds (Appendix 2).

All vertebrate fauna observed in the study area were recorded opportunistically. They were either observed directly, or inferred from secondary signs such as burrows, diggings, feathers, tracks, scats of skulls (Western Wildlife, 2020).

Multiple hollows and crevices were identified on site (Section 2.5.2), thereby providing nesting and shelter for several fauna species, including the Australian Ringneck, Red-capped Parrot, Striated Pardalote, Southern Boobook and Black-tailed Monitor).

Although no black cockatoos were sighted opportunistically during the survey, it is possible that the Carnaby's Black Cockatoo (*Calyptrorhynchus latirostris*) and the Forest Red-tailed Black Cockatoo (*Calyptrorhynchus banksii naso*) may use the site for foraging, given the large number of Marri (*Corymbia calophylla*) and Wandoo (*Eucalyptus wandoo*) trees present on site (Section 2.5.2).

2.6 Ecological Linkages

A regional corridor is defined in the City of Swan's Local Biodiversity Strategy (2015) as "an existing or potential link of remnant vegetation, or environmental feature (such as a watercourse), which connects areas of local and regional biodiversity significance within the CoS, and with corridors identified in other local government areas" The site has been identified as containing part of the Perth Regional Ecological Corridor in the CoS Local Biodiversity Strategy (2015). This linkage runs in a north-south alignment through the central portion of the site, and provides a corridor to connect Walyunga National Park (immediately south of the site) to remnant vegetation east of the Bullsbrook townsite (Cardno, 2011).



3 Protection and Management Measures

3.1 Tree Classification

The trees recorded during the survey have been classified into the following categories:

- To be retained
- Retention encouraged
- Can be removed

The specific categories can be seen on Figures 5a and 5b.

For trees classified as ‘Retention encouraged’ these were generally located at the edge of building envelopes, within identified APZ’s or close to lot boundaries. The ability to retain these trees will be dependent upon the layout of structures within the building envelopes and fencing/firebreak installation requirements and constraints.

3.2 Building Envelopes

Building envelopes are a means of concentrating infrastructure into a dedicated area which defines where vegetation may be cleared and outside of which, where vegetation must be retained unless otherwise authorised to be removed.

Building envelopes have been positioned to satisfy the general provisions of the LPS17 which specify a maximum of 4000m² and that lot building envelopes minimise the clearing of native vegetation on the site by allowing development only on the least vegetated portion of a lot (Roberts Day, 2020).

Native vegetation, including habitat trees as identified within this plan, that fall outside of a building envelope, and not within APZ extents, fire access routes, roads or fire breaks, would require approval from the DWER prior to removal. A Native Vegetation Clearing Permit (NVCP) issued under the *Environment Protection (Clearing of Native Vegetation) Regulations 2004* would be required prior to removal of any trees, unless a valid exemption is applicable.

3.3 Tree Identification

During any clearing of native vegetation required for construction habitat trees classified as ‘To be retained’ and ‘Retention Encouraged’ will be clearly identified prior to the commencement of site works, with different colour markings assigned to each classification. The location and details of these habitat trees are provided in Figure 5a and Figure 5b, and in Appendix 3). These habitat trees will be marked by flagging tape initially and then fenced, if appropriate, in accordance with Australian Standard 4970 – Protection of Trees on Development Sites (AS 4970-2009) (Standards Australia, 2009).

3.4 Tree Protection Zones

It is recommended that a Tree Protection Zone (TPZ) be established for any habitat trees to be retained that are located within close proximity to the infrastructure/building locations or that may be negatively impacted by development works.

The TPZ should be delineated by protective fencing which is to be installed prior to site establishment and be retained intact until completion of the construction works.

The TPZ size for individual trees should be calculated in accordance with AS4970-2009. This calculation is based on trunk diameter (DBH – Diameter at Breast Height), measured at 1.4m up from ground level. The radius of the TPZ is calculated by multiplying the trees DBH by 12. The method provides a TPZ that addresses



both tree stability and growth requirements. TPZ distances are measured as a radius from the centre of the trunk at ground level. examples of TPZ distances in relation to trunk diameters are provided in Table 3.

To protect the trees structural root zone, trunk and branches, the following should not be permitted within the TPZ:

- Mechanical excavation
- Stockpiling of building materials, debris or soil
- Vehicular traffic
- Severing of tree roots with a diameter greater than 30mm
- Alteration of soil levels and structure
- Pruning of branches or roots unless conducted by a suitably qualified arborist and in accordance with AS4373-2007 Pruning of Amenity Trees (Standards Australia, 2007).

Table 3: TPZ Size Requirements

Trunk Diameter (DBH)	Tree Protection Zone (TPZ)
90cm	10.0m
100cm	12.0m
110cm	13.2m
120cm	14.4m
130cm	15m
≥140cm	Refer to AS4970-2009

3.5 Fire Break Installation and Maintenance

Pursuant to Section 33 of the *Bush Fires Act 1954*, all owners and occupiers of land within the CoS are required on or before the first day of November, each year, or within 14 days of becoming an owner or occupier of land after that date, must meet the fire hazard reduction conditions detailed within the CoS's Fire Hazard Reduction Notice and maintain these conditions up to and including the 30th day of April, the following year:

- Firebreaks are to be developed and maintained clear of all obstacles and flammable materials to create a minimum of 3 metres wide trafficable surface suitable for 4-wheel drive vehicles.
- Overhanging branches must be pruned to provide a 4-metre vertical clearance above the full width of the firebreak surface.
- Boundary firebreaks must be aligned immediately inside and adjacent to the external property boundaries.
- Alternative firebreaks that are approved in writing by the CoS, or as depicted within a bushfire management plan approved in writing by the CoS, are to be constructed to the same standard as general firebreaks and must be constructed along the specified alignment.
- Firebreaks must not terminate in a dead end.
- Firebreaks may be constructed by ploughing, grading, raking, burning, chemical spraying or any other approved method that achieves the required standard.

Some habitat trees have been identified along property boundaries which may fall within designated firebreak locations. As per the above conditions, a firebreak variation may be requested and approved at the discretion of the CoS which could potentially allow for greater habitat tree retention with firebreaks weaving



around habitat trees providing that the 3m wide and 4m vertical clearance is maintained to allow for 4 wheel drive vehicles.

Further to the above, all development lots within the site will be subject to the approved Bushfire Management Plan for the site.

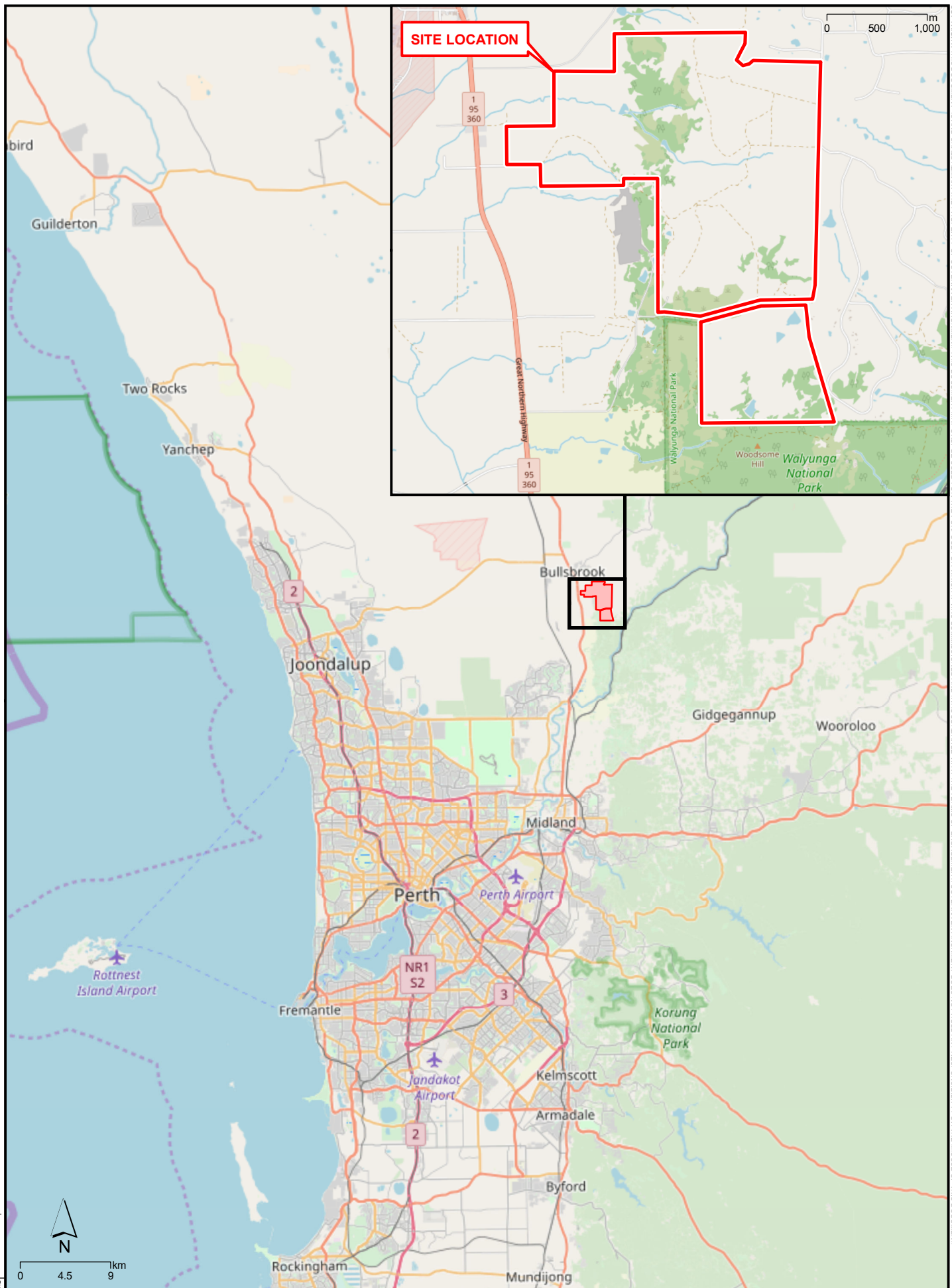


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Figures



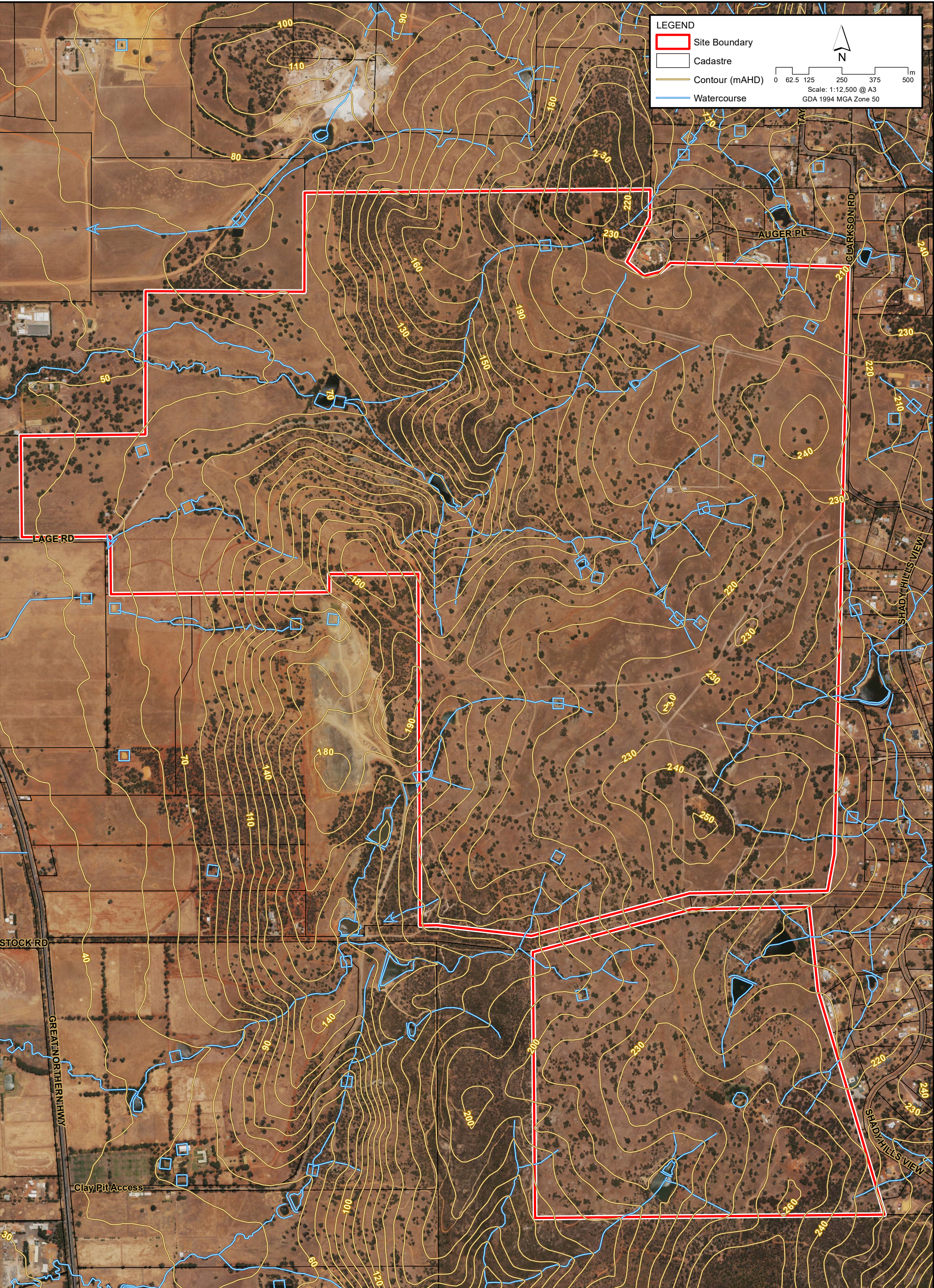
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McRae Investments Pty Ltd
HABITAT TREE PLAN
LOT 301 STOCK RD & LOT 302 LAGE RD, BULLSBROOK

SITE LOCATION

Figure 1



LEGEND

- Site Boundary
- Cadastre
- Contour (mAHD)
- Watercourse

0 62.5 125 250 375 500 m

Scale: 1:12,500 @ A3
GDA 1994 MGA Zone 50

Source: Cadastre - Landgate, 2020
Orthophoto - NearMaps, 2020
Topography - DWER

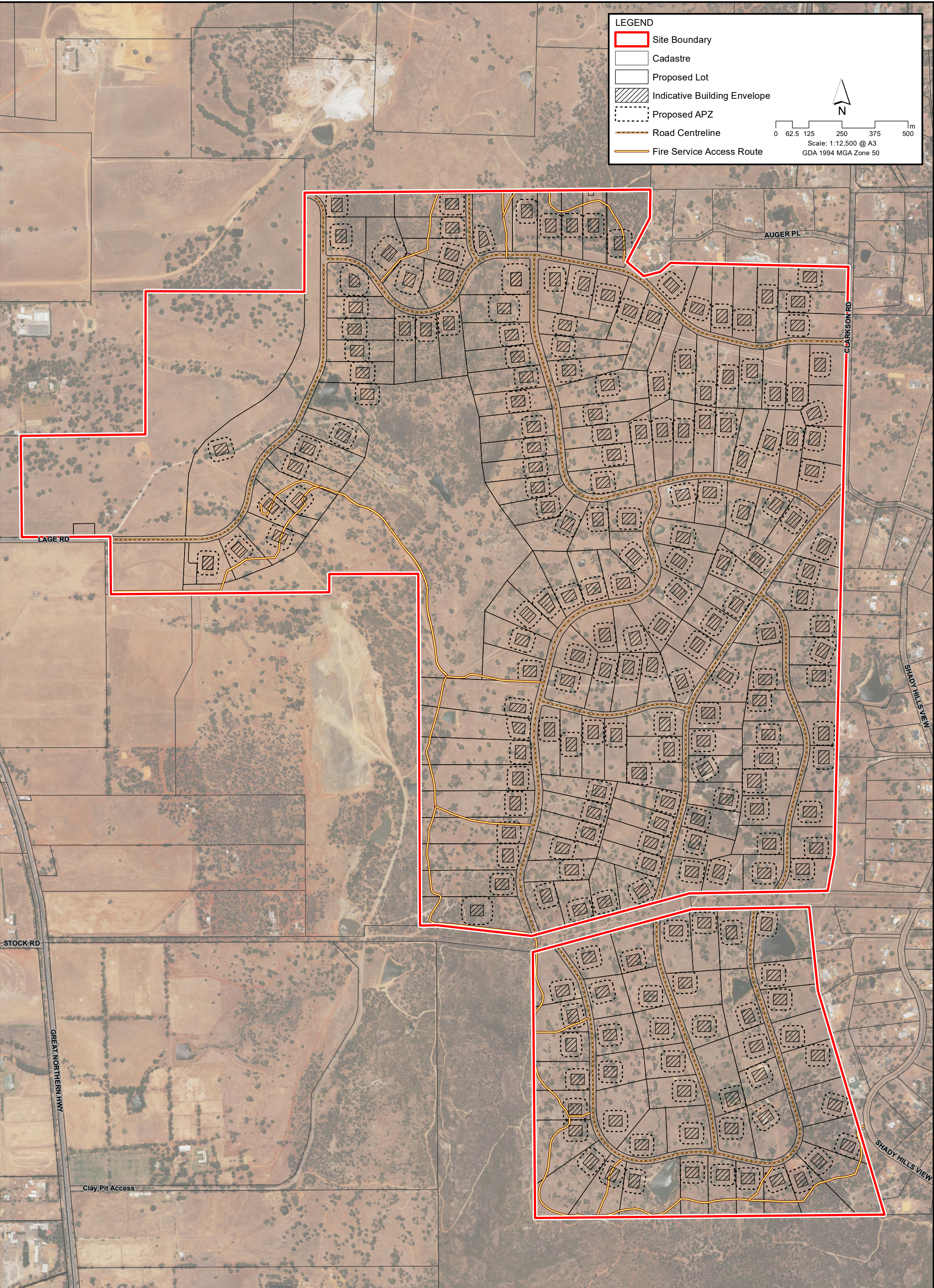
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McRae Investments Pty Ltd
HABITAT TREE PLAN
LOT 301 STOCK ROAD AND LOT 302 LAGE ROAD, BULLSBROOK

SITE FEATURES

Figure 2



Source: Cadastre - Landgate, 2020
Orthophoto - NearMaps, 2020
Subdivision - Roberts Day, RD1 202 Rev1

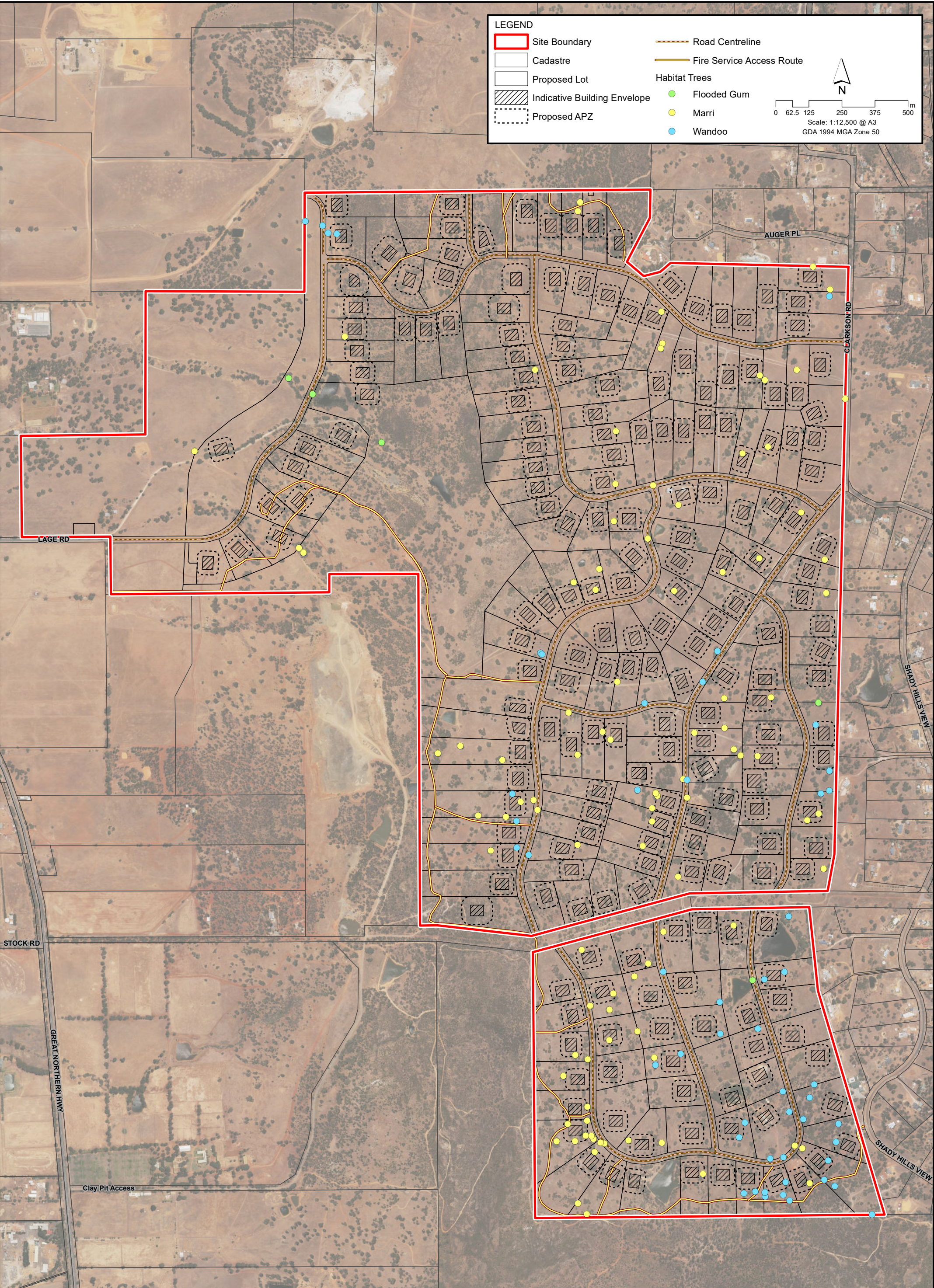
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McRae Investments Pty Ltd
HABITAT TREE PLAN
LOT 301 STOCK ROAD AND LOT 302 LAGE ROAD, BULLSBROOK

DEVELOPMENT LAYOUT

Figure 3



LEGEND

Site Boundary

Cadastre

Proposed Lot

Indicative Building Envelope

Proposed APZ

Road Centreline

Fire Service Access Route

Habitat Trees

Flooded Gum

Marri

Wandoo

N

062.5125250375500m

Scale: 1:12,500 @ A3

GDA 1994 MGA Zone 50

LEGEND

Site Boundary

Cadastre

Proposed Lot

Indicative Building Envelope

Proposed APZ

Road Centreline

Fire Service Access Route

Habitat Trees

Can be Removed

Retention Encouraged

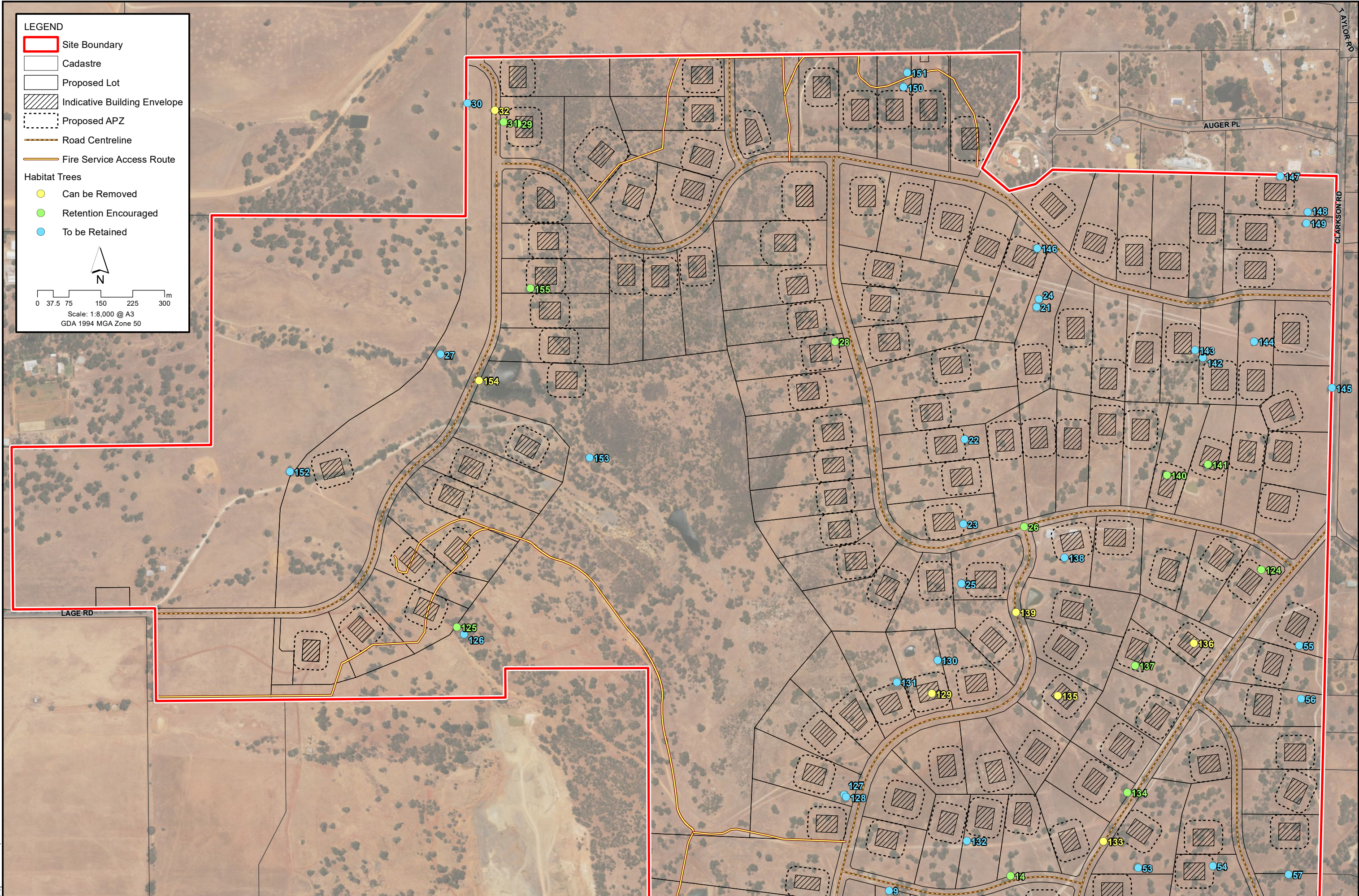
To be Retained

N

0 37.5 75 150 225 300m

Scale: 1:8,000 @ A3

GDA 1994 MGA Zone 50



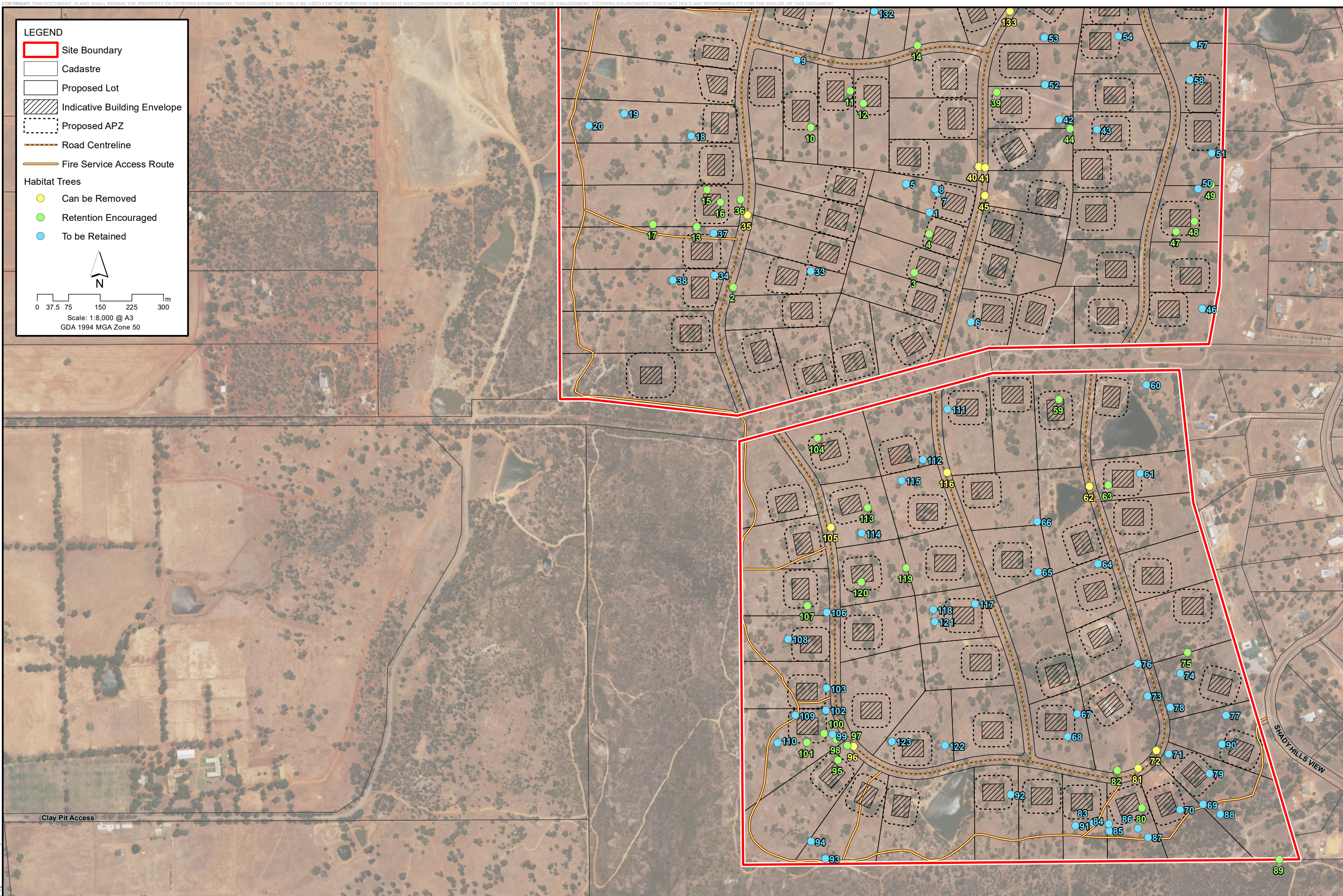
Source: Cadastre - Landgate, 2020
Orthophoto - NearMaps, 2020
Habitat Trees - Western Wildlife, 2020
Subdivision - Roberts Day, RD1 202 Rev1

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McRae Investments Pty Ltd
HABITAT TREE PLAN
LOT 301 STOCK ROAD AND LOT 302 LAGE ROAD, BULLSBROOK
TREE RETENTION MAPPING

Figure 5a



Source: Cadastre - Landgate, 2020
Orthophoto - NearMaps, 2020
Habitat Trees - Western Wildlife, 2020
Subdivision - Roberts Day, RD1 202 Rev1

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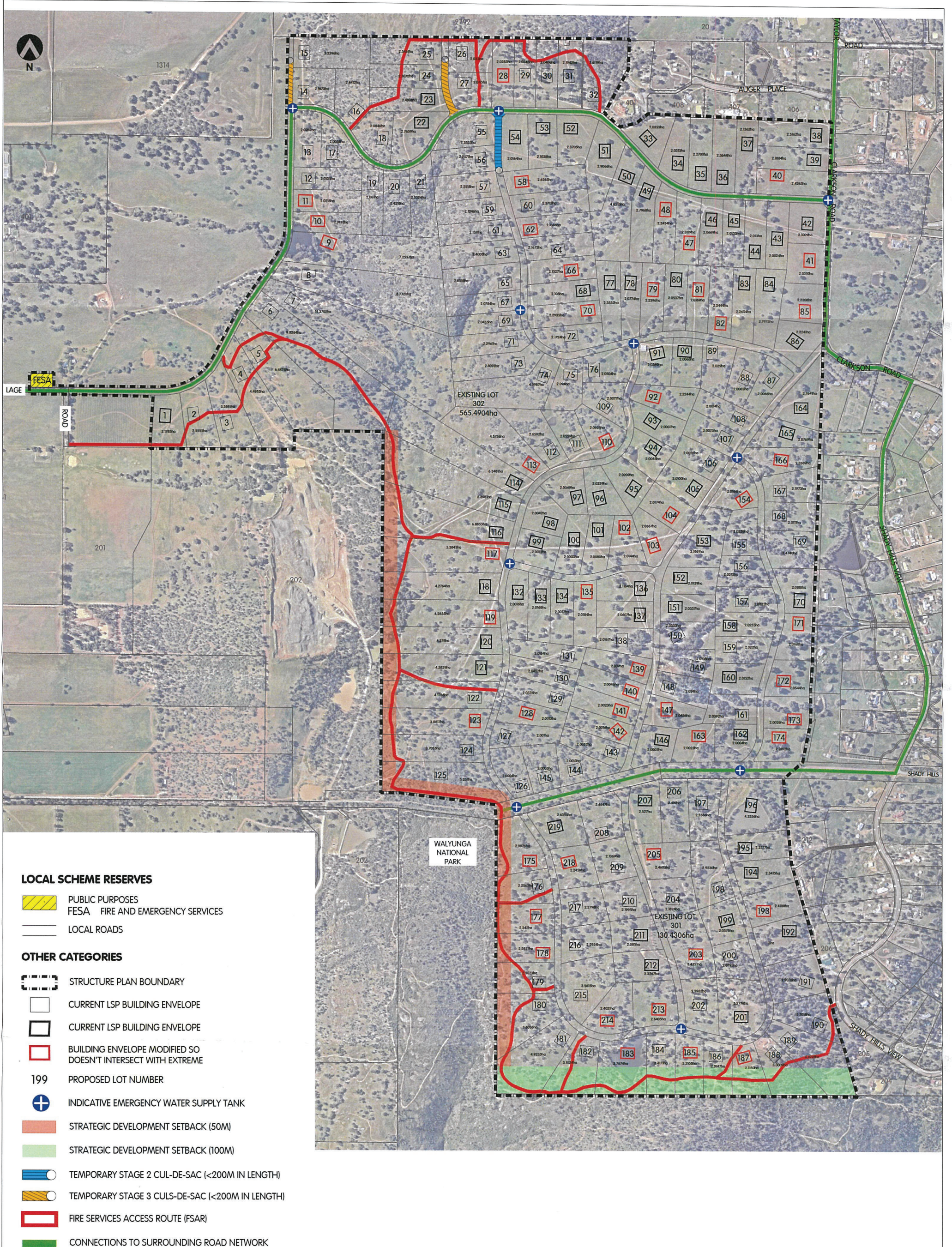
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HABITAT TREE PLAN
LOT 301 STOCK ROAD AND LOT 302 LAGE ROAD, BULLSBROOK

TREE RETENTION MAPPING

Figure 5b



Appendix 1 Structure Plan



CADASTRAL INFORMATION
SOURCE: LANDGATE SLIP
YYMMDD: 170118
DWG REF: 170118 SLIP LANDGATE
PROJECTION: PCG94

AERIAL PHOTOGRAPHY
SOURCE:
YYMMDD:

RD
great places

SIZE A3: 1:2500

0 25 50 75 100 125
metres

E FSAR ADDED INTO PLAN 181002 SB DP
D C-D-SAC + W-TANK ADDED 180927 SB -
C SETBACKS ADDED BY STRATEGEN 180926 SB TT
REV DESCRIPTION YYMMDD DRAWN APP'D

PROPOSED AMENDED LSP
Lot 301 Stock Road & Lot 302 Lage Road, Bullsbrook
City of Swan

REF NO.
PKF BUL

DRAW NO. REV.
RD1 225 E

DISCLAIMER: ISSUED FOR DESIGN INTENT ONLY. ALL AREAS AND DIMENSIONS ARE SUBJECT TO DETAIL DESIGN AND SURVEY



Appendix 2 Habitat Tree Survey (Western Wildlife, 2020)

Lot 301 Stock Road and Lot 302 Lage Road, Bullsbrook:

Habitat Tree Survey 2020



Prepared for: Coterra Environment

Prepared by: Western Wildlife
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Mahogany Creek WA 6072
Ph 0427 510 934



October 2020

1. Introduction

The development of Lot 301 Stock Road and 302 Lage Road, Bullsbrook will involve the creation of many smaller lots and their associated infrastructure. Coterra Environment commissioned Western Wildlife to carry out a habitat tree survey of the two lots (the 'study area'), as the study area included remnant native vegetation and remnant native trees in pasture. The scope of the survey was to identify all trees with a diameter at breast height (DBH) $\geq 100\text{cm}$ in the proposed roads, building envelopes, asset protection zones (APZs), fire service access route and firebreaks within 3m of proposed lot boundaries.

2. Methods

2.1 Personnel and Licensing

One zoologist from Western Wildlife carried out the habitat tree survey; Ms Jenny Wilcox (BSc.Biol./Env.Sci., Hons.Biol.). Jenny has more than 20 years' experience as a fauna consultant and has previously undertaken habitat tree surveys in, for example, Chittering, Muchea and Mt Helena.

As the works undertaken were passive observation only, and did not involve disturbance to fauna, no fauna license was required for this survey.

2.2 Identification of Habitat Trees

Habitat trees were defined simply as any native tree with a diameter at breast height (DBH) $\geq 100\text{cm}$. Trees were identified in the following parts of the study area:

- Proposed roads
- Proposed building envelopes
- Proposed asset protection zone (APZs)
- Proposed fire service access route
- Firebreaks within 3m of the proposed lot boundaries

Trees outside these areas were recorded opportunistically, but the remaining parts of the study area were not exhaustively sampled. For each habitat tree, the following were recorded:

- GPS location in eastings and northings
- Tree species
- Diameter at breast height (DBH) in cm, rounded to the nearest 5cm
- Tree status (live or dead)
- Notes on the presence of tree hollows, tree crevices or evidence of tree use by fauna

2.3 Opportunistic Fauna Records

All vertebrate fauna observed in the study area were recorded opportunistically. Fauna were observed directly, or inferred from secondary signs such as burrows, diggings, feathers, tracks, scats or skulls.

3. Results

3.1 Habitat Trees

A total of 155 habitat trees were identified during the survey (Figure 1, Table 1, Plate 1, Appendix 1). This is unlikely to be all the habitat trees in the study area, as areas outside of proposed fire access routes, roads, lot boundaries, APZs and building envelopes were not exhaustively surveyed. The survey was conservative, so many of the trees identified were near, but not likely to be inside, the proposed infrastructure.

The majority of the trees identified were Marri, and just over a third had a DBH of 100cm. Few trees had a very large DBH of over 150cm. Many of the trees were noted to contain hollows (Appendix 1) and some of these appeared to support nesting by Galahs.

Table 1. Habitat Trees in the Study Area.

Tree Species	DBH (cm)														Total
	90	100	105	110	115	120	125	130	135	140	145	150	155	165	
Flooded Gum (<i>Eucalyptus rudis</i>)			1	1		2				1					5
Marri (<i>Corymbia calophylla</i>)		36	13	22	9	5	3	2	2	1	1	3	1	1	99
Wandoo (<i>Eucalyptus wandoo</i>)	1	20	10	7	5	2	1		2	2		1			51
Total:	1	56	24	30	14	9	4	2	4	4	1	4	1	1	155

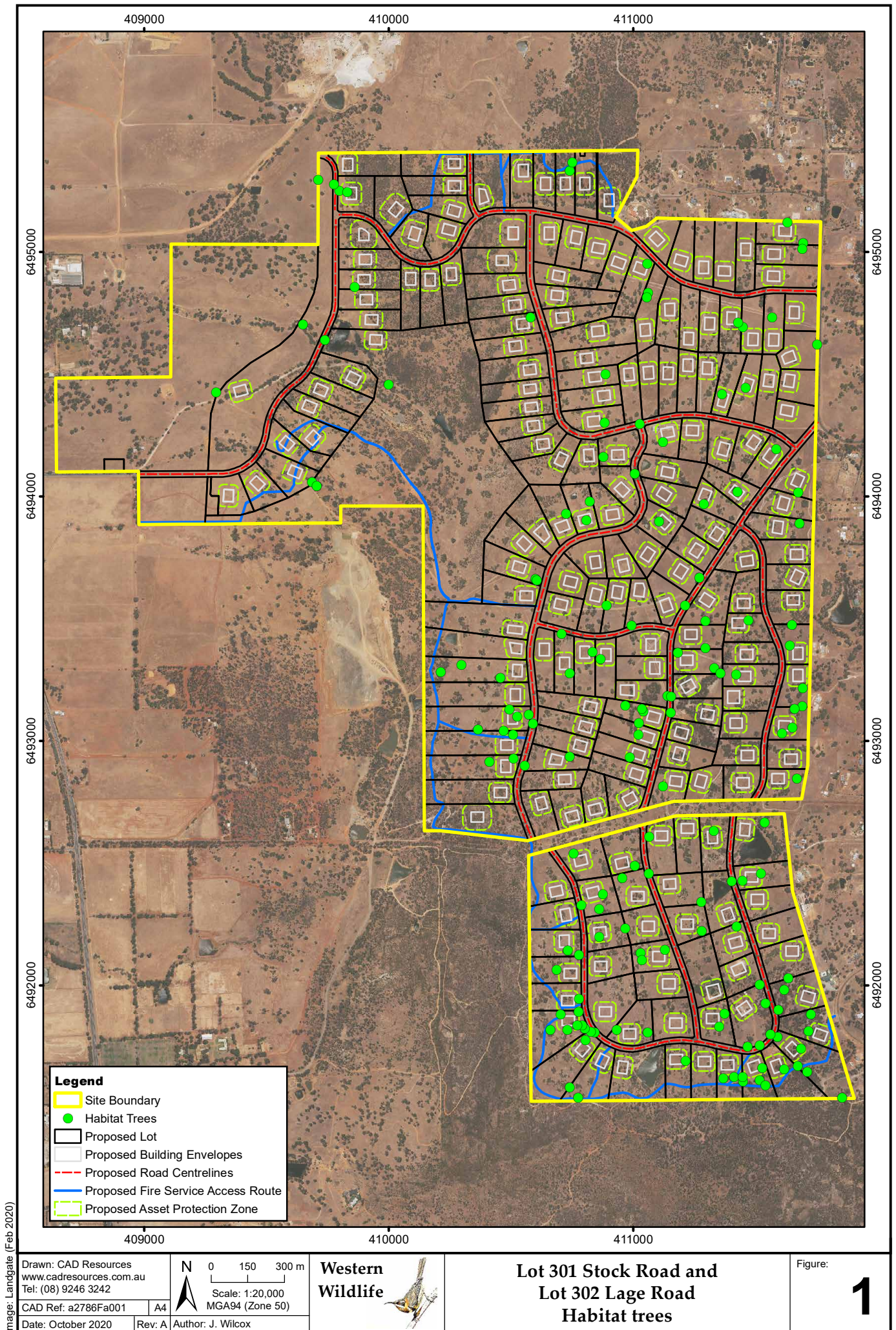




Plate 1. Examples of habitat trees in the study area.

3.2 Fauna

Forty-seven species of fauna were observed opportunistically during the survey, two reptiles, two mammals and 43 birds (Appendix 2). Of particular note was a Wedge-tailed Eagle nest, but this was not located in one of the mapped habitat trees and located in a tree unlikely to be impacted by the proposed lot layout.

4. Conclusions

A total of 155 habitat trees were identified in this survey, many of which appeared to contain hollows. Some of the fauna observed opportunistically are species that nest or shelter in hollows (e.g. Australian Ringneck, Red-capped Parrot, Striated Pardalote, Southern Boobook and Black-tailed Monitor) and other species are likely to occur. Habitat trees also provide nesting and foraging habitat for other species. Maintaining habitat trees is helpful in preserving biodiversity, but it is also worth noting that smaller trees can also contain hollows and provide habitat for fauna.

Appendices

Appendix 1. Habitat Trees Recorded in the Study Area

Zone	Easting	Northing	Tree Species	Tree Status	DBH (cm)	Notes
50	411586.28	6494193.86	Marri	Live	120	
50	409687.01	6494058.51	Marri	Dead	100	Appears to contain hollows
50	409704.51	6494041.48	Marri	Live	105	
50	410601.17	6493662.5	Wandoo	Live	115	Appears to contain hollows
50	410606.24	6493656.56	Wandoo	Live	115	Appears to contain hollows
50	410808.21	6493901.19	Marri	Live	110	
50	410822.03	6493980.12	Marri	Live	100	
50	410726.08	6493928.74	Marri	Live	115	
50	410891.21	6493553.27	Marri	Live	120	
50	411213.49	6493552.6	Wandoo	Live	90	Appears to contain hollows
50	411270.12	6493668.16	Wandoo	Live	110	Appears to contain hollows
50	411105.79	6493896.76	Marri	Live	115	Appears to contain crevices
50	411427.1	6494020.24	Marri	Live	100	
50	411288.5	6493967.95	Marri	Live	105	Old Australian Wood Duck nest in fork
50	411121.28	6494222.25	Marri	Live	100	
50	411006.84	6494093.45	Marri	Live	105	Appears to contain crevices
50	411363.6	6494417.21	Marri	Live	100	
50	411460.55	6494442.43	Marri	Live	105	
50	411448.25	6494694.29	Marri	Live	100	
50	411429.42	6494712.31	Marri	Live	100	
50	411569.06	6494733.01	Marri	Live	120	
50	411752.96	6494622.73	Marri	Live	115	
50	411056.9	6494952.43	Marri	Live	100	
50	411630.87	6495122.52	Marri	Live	100	
50	411695.86	6495037.39	Marri	Live	110	
50	411692.48	6495012.09	Wandoo	Live	140	Appears to contain hollows
50	410741.64	6495332.93	Marri	Live	110	
50	410750.54	6495366.93	Marri	Live	110	
50	409292.78	6494425.3	Marri	Live	110	
50	410000.22	6494458.42	Flooded Gum	Live	105	Appears to contain hollows
50	409739.08	6494640.82	Flooded Gum	Live	110	
50	409861	6494858.05	Marri	Live	100	
50	409797.65	6495250.69	Wandoo	Live	120	Appears to contain hollows; feral beehive
50	409776.47	6495278.21	Wandoo	Live	115	Appears to contain hollows
50	409830.87	6495246.33	Wandoo	Live	100	Appears to contain hollows

Appendix 1. (cont.)

Zone	Easting	Northing	Tree Species	Tree Status	DBH (cm)	Notes
50	409712.33	6495295.06	Wandoo	Live	150	Appears to contain hollows
50	409648.4	6494702	Flooded Gum	Live	120	
50	410579.88	6494733.04	Marri	Live	110	
50	410878.3	6494160.63	Marri	Live	110	
50	411026.33	6494295.7	Marri	Live	115	
50	410883.34	6494301.23	Marri	Live	100	
50	411061.53	6494832.86	Marri	Live	110	Old Australian Wood Duck nest in fork
50	411055.54	6494813.41	Marri	Live	130	
50	410885.98	6494501.56	Marri	Live	100	
50	410296.65	6493310.68	Marri	Live	125	
50	410212.82	6493281.58	Marri	Live	105	
50	410365.09	6493046.67	Marri	Live	100	
50	410456.35	6493256.86	Marri	Dead	110	Appears to contain hollows; probable Galah nest
50	410493.85	6493128.49	Wandoo	Live	110	
50	410526.24	6493098.95	Marri	Live	115	
50	410469.69	6493041.48	Marri	Live	105	
50	410993.81	6493471.46	Wandoo	Live	100	Appears to contain crevices
50	410834.46	6493363.78	Marri	Live	100	Appears to contain crevices
50	410865.42	6493334.12	Marri	Live	130	
50	410707.29	6493436.73	Marri	Live	105	Appears to contain crevices
50	410740.71	6493277.06	Marri	Live	100	
50	411042.22	6493122.03	Marri	Live	135	
50	411035.5	6493131.39	Marri	Live	115	Appears to contain crevices
50	410966.97	6493143.11	Wandoo	Live	110	Appears to contain hollows
50	411121.16	6492815.21	Marri	Live	100	Appears to contain hollows
50	410986.8	6492932.1	Marri	Live	110	Appears to contain crevices
50	411021.93	6493024.53	Marri	Live	155	
50	411022.73	6493074.41	Marri	Live	150	
50	410556.14	6492897.46	Wandoo	live	115	Appears to contain crevices
50	410740.34	6492935.52	Marri	Live	100	
50	410511.35	6492925.78	Wandoo	Live	100	
50	410589.53	6493068.35	Marri	Live	105	Appears to contain crevices
50	410573.96	6493105.45	Marri	Live	100	
50	410509.72	6493025.42	Wandoo	Live	100	
50	410412.49	6492914.39	Marri	Live	110	Appears to contain crevices
50	411182.43	6493360.9	Marri	Live	125	Appears to contain crevices
50	411139.78	6493184.39	Marri	Live	100	
50	411154.87	6493181.97	Wandoo	Live	120	Appears to contain crevices

Appendix 1. (cont.)

Zone	Easting	Northing	Tree Species	Tree Status	DBH (cm)	Notes
50	411330.84	6493296.44	Marri	Live	110	
50	411421.1	6493271.61	Marri	Live	100	
50	411356.62	6493274.49	Marri	Live	105	Appears to contain hollows (large)
50	411154.21	6493115.24	Marri	Live	100	
50	411670.61	6492845.96	Marri	Live	150	Appears to contain crevices
50	411608.66	6493029	Marri	Live	145	
50	411651.95	6493054.31	Marri	Live	100	
50	411692.06	6493141.12	Wandoo	Live	105	Appears to contain hollows (large)
50	411660.39	6493130.76	Wandoo	Live	110	
50	411693.22	6493215.96	Wandoo	Live	135	Appears to contain crevices
50	411296.68	6493378.84	Marri	Live	150	
50	411295.82	6493490.46	Marri	Live	110	
50	411471.61	6493494.29	Marri	Live	115	
50	411675.78	6494015.05	Marri	Live	165	
50	411680.37	6493888.61	Marri	Live	110	Appears to contain crevices
50	411650.63	6493474.66	Flooded Gum	Live	140	Appears to contain crevices
50	411641.22	6493390	Wandoo	Live	110	Appears to contain crevices
50	411330.3	6492630.99	Marri	Live	110	
50	411538.32	6492665.91	Wandoo	Live	105	Appears to contain hollows
50	411523.35	6492455.17	Wandoo	Live	110	Appears to contain hollows
50	411402.68	6492424.09	Flooded Gum	Live	120	
50	411447	6492427.46	Wandoo	Live	100	
50	411422.83	6492240.03	Wandoo	Live	105	
50	411280.65	6492221.3	Wandoo	Live	135	Appears to contain hollows
50	411278.39	6492340.78	Wandoo	Live	100	
50	411373.76	6491884.56	Wandoo	Live	100	Appears to contain hollows; probable Galah nest
50	411351.19	6491830.27	Wandoo	Live	100	Appears to contain hollows
50	411672.9	6491668.52	Wandoo	Live	115	Appears to contain hollows
50	411617.75	6491656.62	Marri	Live	105	Appears to contain hollows
50	411591.13	6491788.31	Marri	Live	120	
50	411561.67	6491797.7	Marri	Live	115	Appears to contain hollows
50	411540.77	6491926.33	Wandoo	Live	105	Appears to contain hollows
50	411618.49	6491980.21	Wandoo	Live	110	Appears to contain hollows
50	411635.32	6492029.68	Wandoo	Live	105	Appears to contain hollows
50	411516.99	6492002.95	Wandoo	Live	100	Appears to contain hollows; probable Galah nest
50	411727	6491880.7	Wandoo	Live	100	Appears to contain hollows
50	411594.26	6491899.19	Wandoo	Live	100	Appears to contain hollows

Appendix 1. (cont.)

Zone	Easting	Northing	Tree Species	Tree Status	DBH (cm)	Notes
50	411687.53	6491742.03	Wandoo	Live	100	Appears to contain hollows
50	411527.31	6491660.62	Wandoo	Live	105	Appears to contain hollows
50	411518.55	6491754.32	Wandoo	Live	100	Appears to contain hollows
50	411468.84	6491749.24	Wandoo	Live	100	Appears to contain hollows
50	411412.86	6491625.05	Wandoo	Live	100	Appears to contain hollows
50	411450.17	6491605.19	Wandoo	Live	105	Appears to contain hollows
50	411448.88	6491622.47	Wandoo	Live	100	Appears to contain hollows
50	411518.06	6491611.77	Wandoo	Live	140	Appears to contain hollows
50	411542.22	6491590.91	Wandoo	Live	100	Appears to contain hollows
50	411713.27	6491645.8	Wandoo	Live	100	Appears to contain hollows; feral beehive
50	411853.97	6491537.82	Wandoo	Live	100	Appears to contain hollows
50	411717.35	6491811.78	Wandoo	Live	105	Appears to contain crevices
50	411369.41	6491618.03	Wandoo	Live	105	Appears to contain hollows
50	411215.35	6491691.53	Marri	Live	110	
50	410775.24	6491540.19	Marri	Live	110	
50	410741.43	6491580.58	Marri	Live	100	Appears to contain crevices
50	410805.06	6491773.9	Marri	Live	100	
50	410842.21	6491806.92	Marri	Live	100	Appears to contain hollows
50	410827.12	6491809.35	Marri	Live	100	Appears to contain hollows
50	410801.03	6491823.64	Marri	Live	100	
50	410792.02	6491835.65	Marri	Live	140	Appears to contain hollows
50	410771.73	6491836.58	Marri	Live	125	Appears to contain hollows
50	410731.34	6491815.72	Marri	Dead	110	Appears to contain hollows
50	410776.74	6491892.49	Marri	Live	100	
50	410778.18	6491945.16	Marri	Dead	105	Appears to contain hollows
50	410756.19	6492538.7	Marri	Live	135	
50	410788.43	6492327.02	Marri	Live	105	Appears to contain crevices
50	410778.62	6492124.97	Marri	Live	100	Appears to contain hollows
50	410732.7	6492141.08	Marri	Dead	110	Appears to contain hollows
50	410686.2	6492061.54	Marri	Live	110	Appears to contain crevices
50	410703.12	6491880	Marri	Live	100	Appears to contain crevices
50	410661.22	6491815.45	Marri	Live	110	Appears to contain hollows
50	411065.22	6492607.32	Marri	Live	100	
50	411007.12	6492487.65	Marri	Live	100	Appears to contain crevices
50	410875.7	6492373.89	Marri	Live	120	
50	410861.35	6492312.8	Marri	Live	100	
50	410955.99	6492438.32	Marri	Live	100	
50	411064.82	6492456.55	Wandoo	Live	105	Appears to contain crevices

Appendix 1. (cont.)

Zone	Easting	Northing	Tree Species	Tree Status	DBH (cm)	Notes
50	411130.99	6492145.19	Wandoo	Live	100	Appears to contain crevices
50	411031.03	6492131.47	Marri	Live	115	
50	410966.96	6492231.01	Marri	Live	100	
50	410860.64	6492196.84	Marri	Live	110	Appears to contain crevices
50	411034.89	6492102.46	Wandoo	Live	125	Appears to contain crevices
50	411059.03	6491808.24	Marri	Live	105	Appears to contain crevices
50	410932.81	6491817.91	Marri	Live	100	

Appendix 2. Vertebrate Fauna Recorded Opportunistically in the Study Area.

Scientific Name	Common Name	Notes
<i>Smicrornis brevirostris</i>	Weebill	
<i>Cracticus torquatus</i>	Grey Butcherbird	
<i>Dromaius novaehollandiae</i>	Emu	
<i>Macropus fuliginosus</i>	Western Grey Kangaroo	
<i>Cracticus tibicen</i>	Australian Magpie	
<i>Acanthiza chrysorrhoa</i>	Yellow-rumped Thornbill	
<i>Pardalotus striatus</i>	Striated Pardalote	
<i>Cacatua roseicapilla</i>	Galah	Nesting
<i>Gerygone fusca</i>	Western Gerygone	
<i>Tachybaptus novaehollandiae</i>	Australasian Grebe	Waterbird
<i>Ardea novaehollandiae</i>	White-faced Heron	Waterbird
<i>Chenonetta jubata</i>	Australian Wood Duck	Waterbird, Nesting
<i>Grallina cyanoleucos</i>	Magpie-lark	
<i>Corvus coronoides</i>	Australian Raven	
<i>Anthus australis</i>	Australasian Pipit	
<i>Aquila audax</i>	Wedge-tailed Eagle	Nest (Zone 50, 409926 E, 6494310 N)
<i>Platycercus zonarius</i>	Australian Ringneck	
<i>Rhipidura leucophrys</i>	Willie Wagtail	
<i>Anas superciliosus</i>	Pacific Black Duck	Waterbird
<i>Vulpus vulpes</i>	Fox	Introduced species
<i>Threskiornis spinicollis</i>	Straw-necked Ibis	Waterbird
<i>Elseya melanops</i>	Black-fronted Dotterel	Waterbird
<i>Platycercus spurius</i>	Red-capped Parrot	
<i>Merops ornatus</i>	Rainbow Bee-eater	
<i>Malurus splendens</i>	Splendid Fairy-wren	
<i>Lichmera indistincta</i>	Brown Honeyeater	
<i>Pachycephalus rufiventris</i>	Rufous Whistler	
<i>Daphoenositta chrysoptera</i>	Varied Sittella	
<i>Dicaeum hirundinaceum</i>	Mistletoebird	
<i>Zostreops lateralis</i>	Silvereye	
<i>Rhipidura albiscapa</i>	Grey Fantail	
<i>Acanthiza inornata</i>	Western Thornbill	
<i>Petroica goodenovii</i>	Red-capped Robin	
<i>Cacatua sanguinea</i>	Little Corella	
<i>Ocyphaps lophotes</i>	Crested Pigeon	
<i>Phaps chalcoptera</i>	Common Bronzewing	
<i>Varanus tristis</i>	Black-tailed Monitor	
<i>Ninox boobook</i>	Southern Boobook	
<i>Tiliqua rugosa</i>	Bobtail	

Appendix 2. (cont.)

Scientific Name	Common Name	Notes
<i>Gavicalis virescens</i>	Singing Honeyeater	
<i>Petroica boodang</i>	Scarlet Robin	
<i>Falco cenchroides</i>	Australian Kestrel	
<i>Coracina novaehollandiae</i>	Black-faced Cuckoo-shrike	
<i>Dacelo novaeguinae</i>	Laughing Kookaburra	Introduced species
<i>Colluricincla harmonica</i>	Grey Shrike-thrush	
<i>Fulica atra</i>	Eurasian Coot	Waterbird
<i>Microcarbo melanoleucos</i>	Little Pied Cormorant	Waterbird



Appendix 3 Tree Details

Tree Details Summary Table

Tree Number	Tree Species; DBH; Comments	Easting (Zone 50)	Northing (Zone 50)
1	Marri; DBH 150cm;	411022.73	6493074.41
2	Wandoo; DBH 115cm; Appears to contain crevices	410556.14	6492897.46
3	Marri; DBH 110cm; Appears to contain crevices	410986.80	6492932.10
4	Marri; DBH 155cm;	411021.93	6493024.53
5	Wandoo; DBH 110cm; Appears to contain hollows	410966.97	6493143.11
6	Marri; DBH 100cm; Appears to contain hollows	411121.16	6492815.21
7	Marri; DBH 135cm;	411042.22	6493122.03
8	Marri; DBH 115cm; Appears to contain crevices	411035.50	6493131.39
9	Marri; DBH 105cm; Appears to contain crevices	410707.29	6493436.73
10	Marri; DBH 100cm;	410740.71	6493277.06
11	Marri; DBH 100cm; Appears to contain crevices	410834.46	6493363.78
12	Marri; DBH 130cm;	410865.42	6493334.12
13	Marri; DBH 105cm;	410469.69	6493041.48
14	Wandoo; DBH 100cm; Appears to contain crevices	410993.81	6493471.46
15	Wandoo; DBH 110cm;	410493.85	6493128.49
16	Marri; DBH 115cm;	410526.24	6493098.95
17	Marri; DBH 100cm;	410365.09	6493046.67
18	Marri; DBH 110cm; Dead; Appears to contain hollows; probable Galah nest	410456.35	6493256.86
19	Marri; DBH 125cm;	410296.65	6493310.68
20	Marri; DBH 105cm;	410212.82	6493281.58
21	Marri; DBH 130cm;	411055.54	6494813.41
22	Marri; DBH 100cm;	410885.98	6494501.56
23	Marri; DBH 100cm;	410883.34	6494301.23
24	Marri; DBH 110cm; Old Australian Wood Duck nest in fork	411061.53	6494832.86
25	Marri; DBH 110cm;	410878.30	6494160.63
26	Marri; DBH 115cm;	411026.33	6494295.70
27	Flooded Gum; DBH 120cm;	409648.40	6494702.00
28	Marri; DBH 110cm;	410579.88	6494733.04
29	Wandoo; DBH 100cm; Appears to contain hollows	409830.87	6495246.33
30	Wandoo; DBH 150cm; Appears to contain hollows	409712.33	6495295.06
31	Wandoo; DBH 120cm; Appears to contain hollows; feral bee hive	409797.65	6495250.69
32	Wandoo; DBH 115cm; Appears to contain hollows	409776.47	6495278.21
33	Marri; DBH 100cm;	410740.34	6492935.52



Tree Number	Tree Species; DBH; Comments	Easting (Zone 50)	Northing (Zone 50)
34	Wandoo; DBH 100cm;	410511.35	6492925.78
35	Marri; DBH 105cm; Appears to contain crevices	410589.53	6493068.35
36	Marri; DBH 100cm;	410573.96	6493105.45
37	Wandoo; DBH 100cm;	410509.72	6493025.42
38	Marri; DBH 110cm; Appears to contain crevices	410412.49	6492914.39
39	Marri; DBH 125cm; Appears to contain crevices	411182.43	6493360.90
40	Marri; DBH 100cm;	411139.78	6493184.39
41	Wandoo; DBH 120cm; Appears to contain crevices	411154.87	6493181.97
42	Marri; DBH 110cm;	411330.84	6493296.44
43	Marri; DBH 100cm;	411421.10	6493271.61
44	Marri; DBH 105cm; Appears to contain hollows (large)	411356.62	6493274.49
45	Marri; DBH 100cm;	411154.21	6493115.24
46	Marri; DBH 150cm; Appears to contain crevices	411670.61	6492845.96
47	Marri; DBH 145cm;	411608.66	6493029.00
48	Marri; DBH 100cm;	411651.95	6493054.31
49	Wandoo; DBH 105cm; Appears to contain hollows (large)	411692.06	6493141.12
50	Wandoo; DBH 110cm;	411660.39	6493130.76
51	Wandoo; DBH 135cm; Appears to contain crevices	411693.22	6493215.96
52	Marri; DBH 150cm;	411296.68	6493378.84
53	Marri; DBH 110cm;	411295.82	6493490.46
54	Marri; DBH 115cm;	411471.61	6493494.29
55	Marri; DBH 165cm;	411675.78	6494015.05
56	Marri; DBH 110cm; Appears to contain crevices	411680.37	6493888.61
57	Flooded Gum; DBH 140cm; Appears to contain crevices	411650.63	6493474.66
58	Wandoo; DBH 110cm; Appears to contain crevices	411641.22	6493390.00
59	Marri; DBH 110cm;	411330.30	6492630.99
60	Wandoo; DBH 105cm; Appears to contain hollows	411538.32	6492665.91
61	Wandoo; DBH 110cm; Appears to contain hollows	411523.35	6492455.17
62	Flooded Gum; DBH 120cm;	411402.68	6492424.09
63	Wandoo; DBH 100cm;	411447.00	6492427.46
64	Wandoo; DBH 105cm;	411422.83	6492240.03
65	Wandoo; DBH 135cm; Appears to contain hollows	411280.65	6492221.30
66	Wandoo; DBH 100cm;	411278.39	6492340.78
67	Wandoo; DBH 100cm; Appears to contain hollows; probable Galah nest	411373.76	6491884.56



Tree Number	Tree Species; DBH; Comments	Easting (Zone 50)	Northing (Zone 50)
68	Wandoo; DBH 100cm; Appears to contain hollows	411351.19	6491830.27
69	Wandoo; DBH 115cm; Appears to contain hollows	411672.90	6491668.52
70	Marri; DBH 105cm; Appears to contain hollows	411617.75	6491656.62
71	Marri; DBH 120cm;	411591.13	6491788.31
72	Marri; DBH 115cm; Appears to contain hollows	411561.67	6491797.70
73	Wandoo; DBH 105cm; Appears to contain hollows	411540.77	6491926.33
74	Wandoo; DBH 110cm; Appears to contain hollows	411618.49	6491980.21
75	Wandoo; DBH 105cm; Appears to contain hollows	411635.32	6492029.68
76	Wandoo; DBH 100cm; Appears to contain hollows; probable Galah nest	411516.99	6492002.95
77	Wandoo; DBH 100cm; Appears to contain hollows	411727.00	6491880.70
78	Wandoo; DBH 100cm; Appears to contain hollows	411594.26	6491899.19
79	Wandoo; DBH 100cm; Appears to contain hollows	411687.53	6491742.03
80	Wandoo; DBH 105cm; Appears to contain hollows	411527.31	6491660.62
81	Wandoo; DBH 100cm; Appears to contain hollows	411518.55	6491754.32
82	Wandoo; DBH 100cm; Appears to contain hollows	411468.84	6491749.24
83	Wandoo; DBH 100cm; Appears to contain hollows	411412.86	6491625.05
84	Wandoo; DBH 105cm; Appears to contain hollows	411450.17	6491605.19
85	Wandoo; DBH 100cm; Appears to contain hollows	411448.88	6491622.47
86	Wandoo; DBH 140cm; Appears to contain hollows	411518.06	6491611.77
87	Wandoo; DBH 100cm; Appears to contain hollows	411542.22	6491590.91
88	Wandoo; DBH 100cm; Appears to contain hollows; feral bee hive	411713.27	6491645.80
89	Wandoo; DBH 100cm; Appears to contain hollows	411853.97	6491537.82
90	Wandoo; DBH 105cm; Appears to contain crevices	411717.35	6491811.78
91	Wandoo; DBH 105cm; Appears to contain hollows	411369.41	6491618.03
92	Marri; DBH 110cm;	411215.35	6491691.53
93	Marri; DBH 110cm;	410775.24	6491540.19
94	Marri; DBH 100cm; Appears to contain crevices	410741.43	6491580.58
95	Marri; DBH 100cm;	410805.06	6491773.90
96	Marri; DBH 100cm; Appears to contain hollows	410842.21	6491806.92
97	Marri; DBH 100cm; Appears to contain hollows	410827.12	6491809.35
98	Marri; DBH 100cm;	410801.03	6491823.64
99	Marri; DBH 140cm; Appears to contain hollows	410792.02	6491835.65
100	Marri; DBH 125cm; Appears to contain hollows	410771.73	6491836.58
101	Marri; DBH 110cm; Dead; Appears to contain hollows	410731.34	6491815.72

Tree Number	Tree Species; DBH; Comments	Easting (Zone 50)	Northing (Zone 50)
102	Marri; DBH 100cm;	410776.74	6491892.49
103	Marri; DBH 105cm; Dead; Appears to contain hollows	410778.18	6491945.16
104	Marri; DBH 135cm;	410756.19	6492538.70
105	Marri; DBH 105cm; Appears to contain crevices	410788.43	6492327.02
106	Marri; DBH 100cm; Appears to contain hollows	410778.62	6492124.97
107	Marri; DBH 110cm; Dead; Appears to contain hollows	410732.70	6492141.08
108	Marri; DBH 110cm; Appears to contain crevices	410686.20	6492061.54
109	Marri; DBH 100cm; Appears to contain crevices	410703.12	6491880.00
110	Marri; DBH 110cm; Appears to contain hollows	410661.22	6491815.45
111	Marri; DBH 100cm;	411065.22	6492607.32
112	Marri; DBH 100cm; Appears to contain crevices	411007.12	6492487.65
113	Marri; DBH 120cm;	410875.70	6492373.89
114	Marri; DBH 100cm;	410861.35	6492312.80
115	Marri; DBH 100cm;	410955.99	6492438.32
116	Wandoo; DBH 105cm; Appears to contain crevices	411064.82	6492456.55
117	Wandoo; DBH 100cm; Appears to contain crevices	411130.99	6492145.19
118	Marri; DBH 115cm;	411031.03	6492131.47
119	Marri; DBH 100cm;	410966.96	6492231.01
120	Marri; DBH 110cm; Appears to contain crevices	410860.64	6492196.84
121	Wandoo; DBH 125cm; Appears to contain crevices	411034.89	6492102.46
122	Marri; DBH 105cm; Appears to contain crevices	411059.03	6491808.24
123	Marri; DBH 100cm;	410932.81	6491817.91
124	Marri; DBH 120cm;	411586.28	6494193.86
125	Marri; DBH 100cm; Dead; Appears to contain hollows	409687.01	6494058.51
126	Marri; DBH 105cm;	409704.51	6494041.48
127	Wandoo; DBH 115cm; Appears to contain hollows	410601.17	6493662.50
128	Wandoo; DBH 115cm; Appears to contain hollows	410606.24	6493656.56
129	Marri; DBH 110cm;	410808.21	6493901.19
130	Marri; DBH 100cm;	410822.03	6493980.12
131	Marri; DBH 115cm;	410726.08	6493928.74
132	Marri; DBH 120cm;	410891.21	6493553.27
133	Wandoo; DBH 90cm; Appears to contain hollows	411213.49	6493552.60
134	Wandoo; DBH 110cm; Appears to contain hollows	411270.12	6493668.16
135	Marri; DBH 115cm; Appears to contain crevices	411105.79	6493896.76
136	Marri; DBH 100cm;	411427.10	6494020.24



Tree Number	Tree Species; DBH; Comments	Easting (Zone 50)	Northing (Zone 50)
137	Marri; DBH 105cm; Old Australian Wood Duck nest in fork	411288.50	6493967.95
138	Marri; DBH 100cm;	411121.28	6494222.25
139	Marri; DBH 105cm; Appears to contain crevices	411006.84	6494093.45
140	Marri; DBH 100cm;	411363.60	6494417.21
141	Marri; DBH 105cm;	411460.55	6494442.43
142	Marri; DBH 100cm;	411448.25	6494694.29
143	Marri; DBH 100cm;	411429.42	6494712.31
144	Marri; DBH 120cm;	411569.06	6494733.01
145	Marri; DBH 115cm;	411752.96	6494622.73
146	Marri; DBH 100cm;	411056.90	6494952.43
147	Marri; DBH 100cm;	411630.87	6495122.52
148	Marri; DBH 110cm;	411695.86	6495037.39
149	Wandoo; DBH 140cm; Appears to contain hollows	411692.48	6495012.09
150	Marri; DBH 110cm;	410741.64	6495332.93
151	Marri; DBH 110cm;	410750.54	6495366.93
152	Marri; DBH 110cm;	409292.78	6494425.30
153	Flooded Gum; DBH 105cm; Appears to contain hollows	410000.22	6494458.42
154	Flooded Gum; DBH 110cm;	409739.08	6494640.82
155	Marri; DBH 100cm;	409861.00	6494858.05

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