

APPENDIX 9A

BLACK COCKATOO ASSESSMENT (2021)

LOTS 508, 201, & 64 V2



M.J. & A.R. Bamford
CONSULTING ECOLOGISTS
23 Plover Way,
Kingsley, WA, 6026
T: 08 9309 3671 M: 0400 802692
em: bamford.consulting@iinet.net.au
ABN 84 926 103 081

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**Assessment of the nesting and foraging values of three Lots near Keysbrook for
Doral Pty Ltd Keysbrook Mineral Sands Mine**

By Andy McCreery & Mike Bamford

INTRODUCTION

Doral Pty Ltd operates the Keysbrook Mineral Sands Mine, south of Perth, and is proposing to expand its operations into three Lots: 508, 201 and 64 (including 64 ext.) (Figure 1). Currently, the primary use for these lots is livestock grazing but there are some remnant bushland patches, large paddock trees and established gardens around farm buildings. Three threatened black-cockatoo species occur in the area: the Forest Red-tailed (*Calyptorhynchus banksii naso*), Carnaby's (*Calyptorhynchus latirostris*) and Baudin's (*Calyptorhynchus baudinii*) Black-Cockatoos, with their conservation significance under the federal *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) and *WA Biodiversity Conservation Act 2016* (WABC Act) presented below:

- Forest Red-tailed Black-Cockatoo; Vulnerable (EPBC) and Schedule 3 (WABC).
- Carnaby's Black-Cockatoo; Endangered (EPBC) and Schedule 2 (WABC).
- Baudin's Black-Cockatoo; Endangered (EPBC) and Schedule 2 (WABC).

Due of the presence of these species in the general area, Bamford Consulting Ecologists (BCE) was commissioned to undertake an assessment of the three properties for their potential value for nesting and foraging by black-cockatoos.



Figure 1. Keysbrook project area showing Lot boundaries and residences.

METHODS

Initial site visit for Lots 508, 201 and 64 were carried out over three days: 28th November 2020 by Andy McCreery (B.Sc.) and Tim Gamblin (B.Sc. Cert); 3rd and 9th December 2020 by Andy McCreery. A secondary site visit to assess trees in Lot 64 ext. was undertaken on 5th July 2021. Both individuals have extensive experience (>10 years) in assessing breeding and foraging habitat for black-cockatoos.

The Department of Agriculture, Water and the Environment (DAWE; formerly the Department of the Environment and Energy and the Department of Sustainability, Environment, Water, Population and Communities) provides guidelines for the referral of actions that may result in impact to black-cockatoos. The survey and analysis reported here have been conducted with strong reference to both the existing guidelines (DSEWPac 2012) as well as the recently revised draft guidelines (DEE 2017). In addition, survey methodology followed the recommendations listed on the DAWE's Species Profile and Threats Database (DAWE 2020).

Ecological values for black-cockatoos within the site were based on the definitions of breeding, foraging and roosting habitat as per the EPBC Act referral guidelines for black-cockatoos (DSEWPac 2012), with foraging and nesting values assessed using systems developed by Bamford Consulting.

Assessment of nesting value

The project area's suitability for breeding was assessed by checking for large, potentially hollow-bearing trees that may facilitate breeding by black-cockatoos, and assigning trees a rank using a system developed by BCE (Appendix 1).

DSEWPac (2012) considers trees that meet the basic criterion of having a DBH >500mm (or >300mm for Wandoo) as being potential black-cockatoo nest trees. The BCE ranking system allows trees that meet this criterion to be assessed as to the likelihood of a tree actually being used for nesting (Appendix 1). This ranking system has been developed by BCE and is regularly used for similar projects. Trees with a rank of 4 or 5 are extremely unlikely to contain hollows that could be used for nesting, although could eventually develop hollows of suitable size. Trees ranked from 1 to 3 are either being used (rank of 1), have been recently used based on chew marks around a suitable hollow entrance (rank of 2), or have potentially suitable hollows that have not been recently used (rank of 3). All trees within the properties were therefore inspected and those that met the basic DBH criterion of DSEWPac (2012) were numbered and co-ordinates taken with a hand-held GPS, Diameter at Breast Height (DBH) recorded, species and live status recorded, and they were assigned a rank as to their potential for breeding (as outlined in Appendix 1). Some representative photographs were also taken.

Assessment of foraging value

For foraging value for black-cockatoos, the site was assessed by inspecting the vegetation and reviewing vegetation descriptions in previous vegetation reports. **Error! Reference source not found..** The foraging score provides a numerical value that reflects the significance of vegetation as foraging habitat for black-cockatoos, and this numerical value is designed to provide the sort of information needed by the Federal Department of Agriculture, Water and the Environment to assess impact significance and potential offset requirements. The foraging value of the vegetation depends upon the type, density and condition of trees and shrubs in an area, and can be influenced by the context

such as the availability of foraging habitat nearby. The BCE scoring system for value of foraging habitat has three components as detailed in Appendix 2. These three components are drawn from the DAWE offset calculator but with the scoring approach developed by BCE:

- A score out of six for the vegetation composition, condition and structure.
- A score out of three for the context of the site.
- A score out of one for species density.

Foraging value can thus be assigned a score out of six, based upon site vegetation characteristics, or a score out of 10 if context and species density are also considered. The score out of 10 is calculated only for vegetation of at least Low to Moderate foraging value (vegetation characteristics score of ≥ 3). Vegetation with No, Negligible or Low foraging value is effectively assigned context and species density scores of '0' because the context and species density are of little relevance if the vegetation does not support regular foraging by the birds. Foraging value scores are calculated differently for the three black-cockatoo species (Appendix 2) depending upon the vegetation present.

Assessment of roosting habitat

Using the WA government open data source website (DBCA, 2020), Black-Cockatoo roosting data were accessed. These data were extracted from the Great Cocky Count which takes place annually in early to mid-April. This event records birds as they fly in to roost on a single day and has taken place since 2010. Three species are recorded: Carnaby's and Baudin's (white-tailed) and Forest Red-tailed Black-Cockatoos. In the Perth-Peel Coastal Plain, which includes the Keysbrook project area, all white-tailed Black-Cockatoos are assumed to be Carnaby's.

RESULTS

Assessment of nesting value

The survey documented 747 trees meeting the basic criterion of DBH >500mm (Table 1, Appendix 3). The majority were Marri *Corymbia calophylla* (334) or Jarrah *Eucalyptus marginata* (230) with 60 trees that were either Jarrah or Marri but were unidentifiable due to being dead with no identifying features such as remnant bark; these were categorised as *Unknown Euc. sp.* in Table 1. Small numbers of Blackbutt *E. patens* (8) and Pricklybark *E. tottiana* (24) were present as well as a significant number of Introduced eucalypts (91). The introduced eucalypts were planted along driveways and around homesteads, particularly in Lot 64. These trees often get to a large size but generally are not old enough to form hollows and therefore are unlikely to be currently suitable for nesting black-cockatoos. Jarrah provided the majority of suitable nest hollows with 87 trees ranked 3 and above, with Marri accounting for 51 and unknown dead eucalypts with 38.

There was a significant number (157) of large dead trees (referred to as stags), with the majority located in paddocks. The length of time as a nesting tree is often less for a stag compared with a living tree but suitable hollows do often form in the large branches and trunks of dead trees.

The majority of trees recorded were ranked 5 (421) or 4 (147), which identify large trees without suitable black-cockatoo nesting potential at this current time. 178 trees contained hollows that were

deemed to have potential for nesting with a rank of 3 and one tree (#323 (Figure 9)) was recorded with a BCE rank of 2. This tree had a suitable hollow that displayed recent chew marks, demonstrating that black-cockatoos have at least attempted to nest in this tree in the recent past. Three trees (#481 (Figure 11), 542 & 1431 (Figure 10)) appeared to have chew marks made by Galahs, where the live bark was chewed off at the entrance of the hollow. Black-cockatoos tend to chew off dead wood surrounding the hollow leaving exposed fresh timber that is often coloured (pinkish or reddish) rather than the grey of long-exposed wood (pers. comm. M. Bamford).

Table 1. Number of trees recorded according to the BCE score tool for nesting suitability by species and status.

Score	Marri	Jarraah	Unknown Euc. sp.	Blackbutt	Pricklybark	Intro. Sp.	Live	Dead	TOTAL
1	0	0	0	0	0	0	0	0	0
2	1	0	0	0	0	0	1	0	1
3	50	87	38	0	3	0	78	100	178
4	69	50	20	0	6	2	100	47	147
5	214	93	2	8	15	89	411	10	421
TOTAL	334	230	60	8	24	91	590	157	747

Figures 2 and 3 provide a visual representation of the trees and the associated BCE rank. Lots 508 and 201 (Figure 2) display an evenly distributed array of large trees with the highest value in the northern half of both Lots. Bushland remnants and large paddock trees provide value for nesting with several rank 3 trees and one rank 2. This northern area also offers some connectivity to large bushland remnants to the east and north. The adjacent bushland increases the value of trees within the project area as it provides a substantial foraging resource nearby. This adjacent bushland has not been examined but it is likely to be of high foraging value to black-cockatoos. This is represented best in Figure 1.

On Lot 64 (Figure 3) there was a large number of rank 5 trees along the driveway and around the homestead, the majority of which were planted eucalypts. These trees are often fast growing and can get to a very large size, some with a DBH of over one metre, but all seem to lack the ability to produce hollows, although they would mostly be <150 years old. The northern quarter of Lot 64 showed some value for nest trees with several with a rank of 3, however the southern three-quarters was sparse and was of little value for nesting black-cockatoos.

Lot 64 ext. (Figure 4) consisted of agricultural land with no bushland and only sparse paddock trees. Thirty-seven trees met the basic criterion while seven recorded a rank of 3, one of which had a nesting pair of Galahs (Figure 20). Marri was the dominant species in this area.

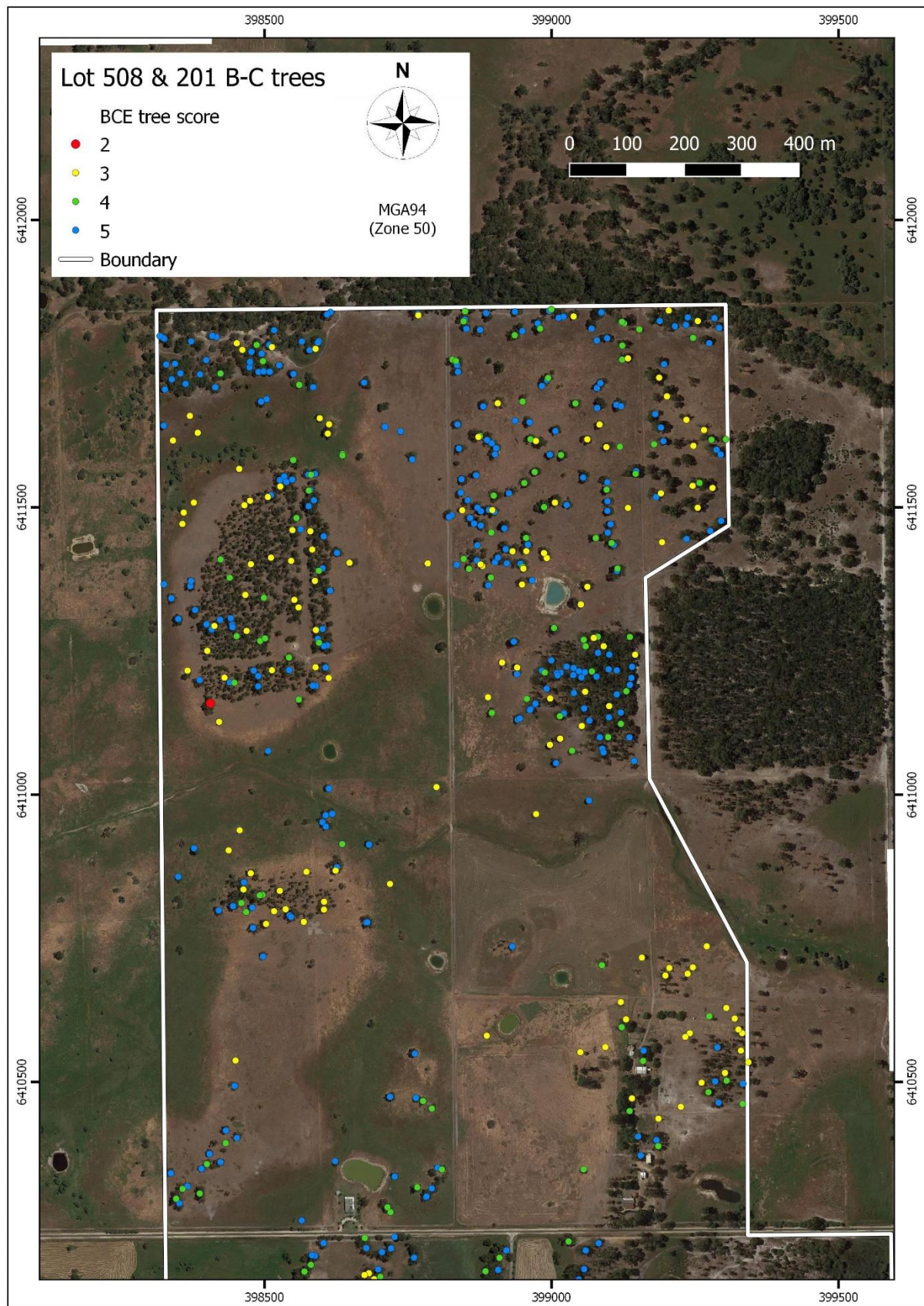


Figure 2. Eucalypt trees in Lots 508 & 201 with a DBH of >500mm and their associated BCE tree score.

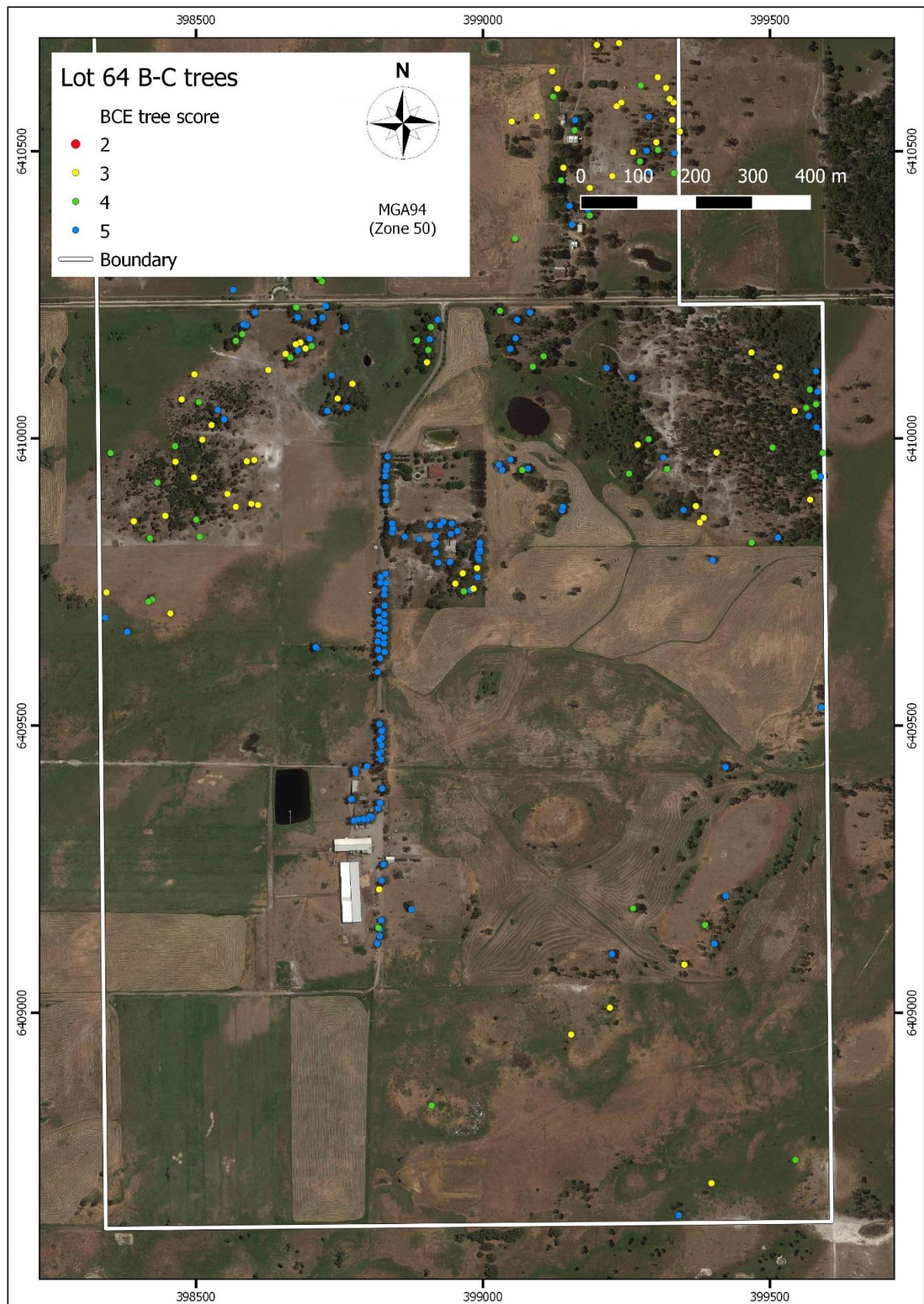


Figure 3. Eucalypt trees in Lot 64 with a DBH of >500mm and their associated BCE tree score.

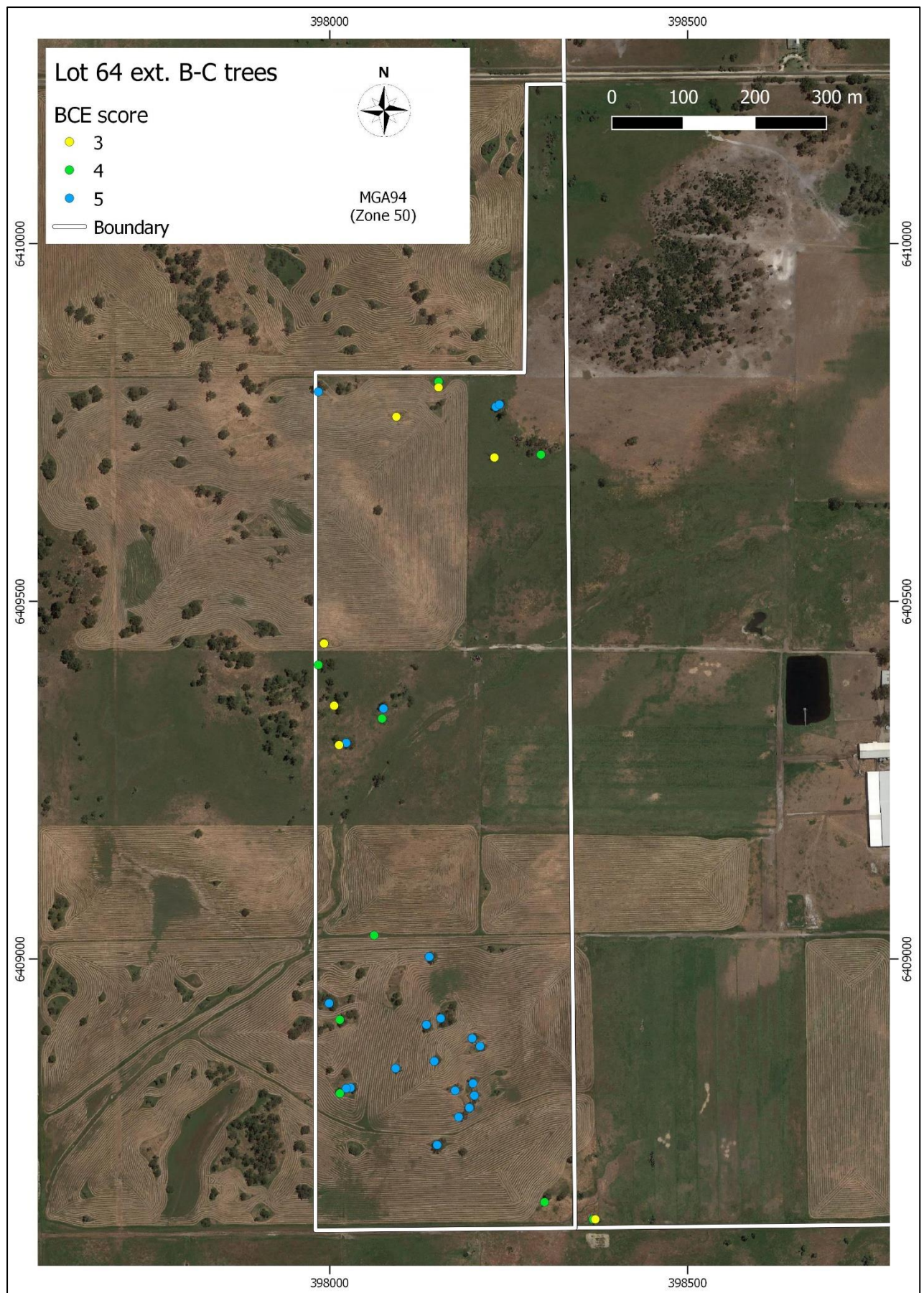


Figure 4. Eucalypt trees in Lot 64 with a DBH of >500mm and their associated BCE tree score.

Assessment of foraging value

The project area contains foraging vegetation that is suitable for all three black-cockatoo species. There were several different vegetation types (MBS Environmental 2004), most of which displayed a variable density of eucalypt canopy cover and distinctive mid and lower strata floristics. Text below provides a brief description of each vegetation type and Figure 4 displays the vegetation types across the landscape.

The bushland remnant in the north-east corner of Lot 64 (vegetation type Bank_Sheo_Mar) consisted of an open canopy of Marri and Jarrah over Slender Banksia *Banksia attenuata*, Firewood Banksia *B. menziesii* and Sheoak *Allocasuarina fraseriana*. Marri and Jarrah provide a foraging resource for all three species, while proteaceous trees (Banksia) will benefit Carnaby's Black-Cockatoo, and Sheoak fruit will provide a resource for Forest Red-tailed and Baudin's Black-Cockatoos. The eastern section of this remnant patch included an intact shrub and ground layer, which was rare across the project area. Further west transitioned to seasonal wetlands.

The bushland patch in the north-western corner of Lot 64 (vegetation type Kunz_Jar_Bank) is of lesser value as it is mostly dominated by dense thickets of Spearwood *Kunzea glabrescens*, however it does contain an open overstory of Jarrah, Holly-leaved Banksia *B. ilicifolia*, Sheoak and the occasional Firewood Banksia.

The bushland remnant in the central eastern section of Lot 201 (vegetation type Jar_Bank_Xant) is a low closed forest of Jarrah, Slender Banksia with scattered Firewood Banksia over Grass trees *Xanthorrhoea sp.* and a weedy understorey.

The largest remnant in Lot 508 (vegetation type Mar_Jar_Xylo) contains an open woodland of Marri and Jarrah over the occasional Banksia and Woody pear *Xylomelum occidentale*.

Throughout the project area there were small stands of Jarrah and Marri with little to no mid-strata and a grazed ground cover of weeds (vegetation type Jar_Mar_graze). Almost all paddock trees are eucalypts and are included in this vegetation type but not highlighted on Figure 4.

Throughout the site visit, small flocks (approximately 2 to 10 individuals) of Forest Red-tailed Black-Cockatoos were encountered. They were observed actively feeding on all three days on site, mostly in Marri but also within introduced Eucalypts along the driveway in Lot 64. Foraging evidence on Marri fruit was abundant throughout the three Lots (Figure 18). Given the presence of Forest Red-tailed Black-Cockatoos foraging on introduced eucalypts, these were included in the assessment for feeding criteria (Int. Eucs). These are located along the driveway and around the homestead of Lot 64.

The remaining category consists of a mixed assemblage of native but mostly introduced plants of many varieties (vegetation type Mixed Veg). These may provide foraging value for black-cockatoos but the precise value is unknown, therefore this category has been highlighted in Figure 4 but not included in the assessment.

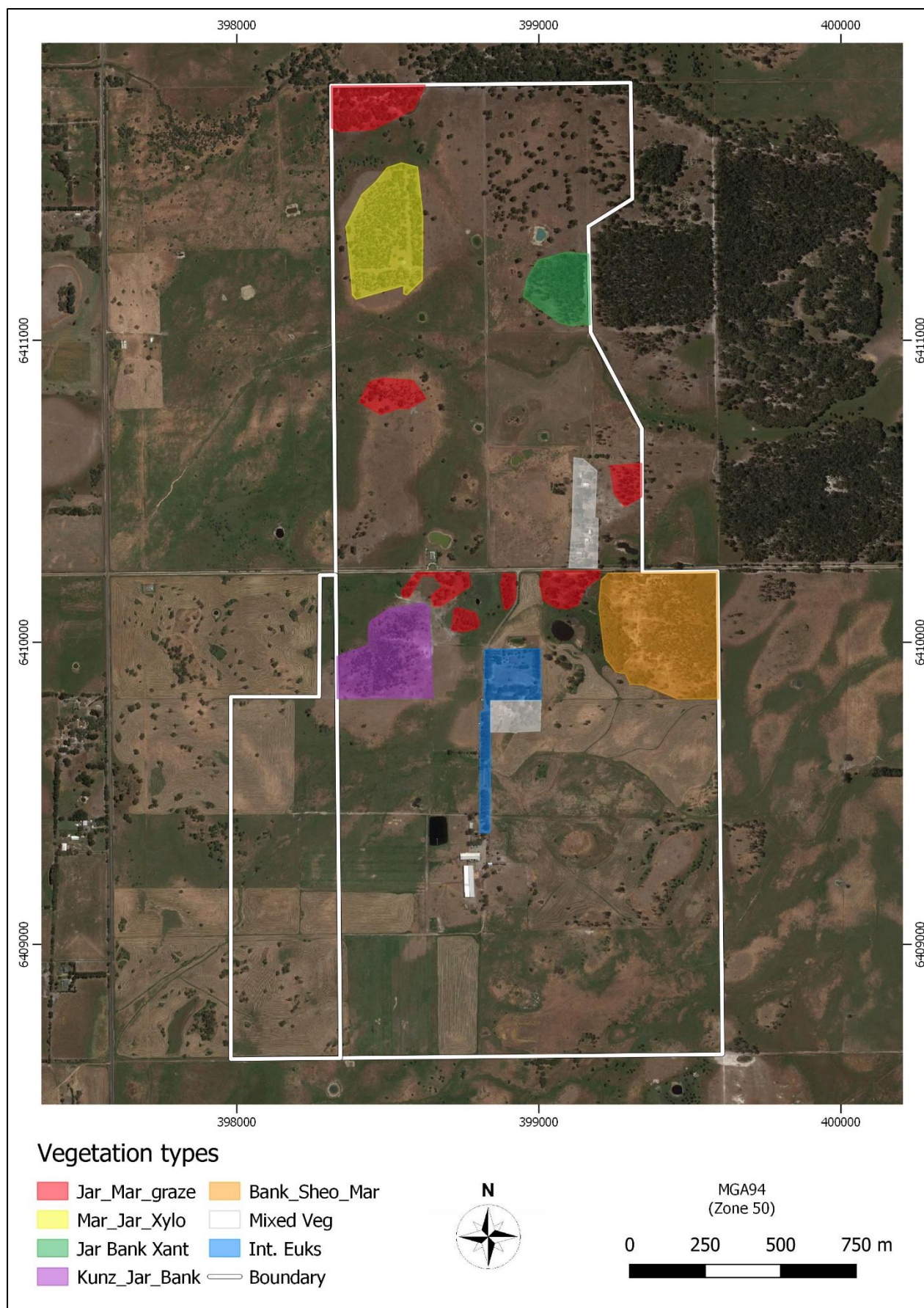


Figure 5. Vegetation types across the project area.

The above descriptions were used to assess the vegetation characteristics value in Tables 2 to 4. Using the BCE scoring system (Appendix 2), the site context value was calculated with a value of 2 for all three species. This value was determined by the prospect that black-cockatoos were likely to use the local area for breeding and that 1 to 5% of the existing vegetation in the local area remained. Both Carnaby's and Forest Red-tailed Black-Cockatoo are abundant in the area, therefore they are allocated a score of 1 for species density, whereas Baudin's Black-Cockatoo is more likely to remain further east on the Darling Scarp, therefore obtaining a score of 0. Note that in accordance with the BCE scoring system if the vegetation characteristics score for a vegetation type is less than 3, then the context and species density score automatically obtains a value of zero. Figures 5 to 7 provide a visual representation of the foraging values within the landscape for the three black-cockatoo species.

Table 2. Carnaby's Black-Cockatoo foraging assessment

VEGETATION TYPE	VEGETATION CHARACTERISTICS (6)	CONTEXT (3)	SPECIES DENSITY (1)	TOTAL (10)
Jar_Mar_graze	3	2	1	6
Mar_Jar_Xylo	4	2	1	7
Jar_Bank_Xant	5	2	1	8
Kunz_Jar_Bank	3	2	1	6
Bank_Sheo_Mar	4	2	1	7
Int. Eucs	1	0	0	1

Table 3. Baudin's Black-Cockatoo foraging assessment

VEGETATION TYPE	VEGETATION CHARACTERISTICS (6)	CONTEXT (3)	SPECIES DENSITY (1)	TOTAL (10)
Jar_Mar_graze	3	2	0	5
Mar_Jar_Xylo	4	2	0	6
Jar_Bank_Xant	3	2	0	5
Kunz_Jar_Bank	2	0	0	2
Bank_Sheo_Mar	4	2	0	6
Int. Eucs	1	0	0	1

Table 4. Forest Red-tailed Black-Cockatoo foraging assessment

VEGETATION TYPE	VEGETATION CHARACTERISTICS (6)	CONTEXT (3)	SPECIES DENSITY (1)	TOTAL (10)
Jar_Mar_graze	3	2	1	6
Mar_Jar_Xylo	4	2	1	7
Jar_Bank_Xant	3	2	1	6
Kunz_Jar_Bank				2
Bank_Sheo_Mar	4	2	1	7
Int. Eucs	3	2	1	6

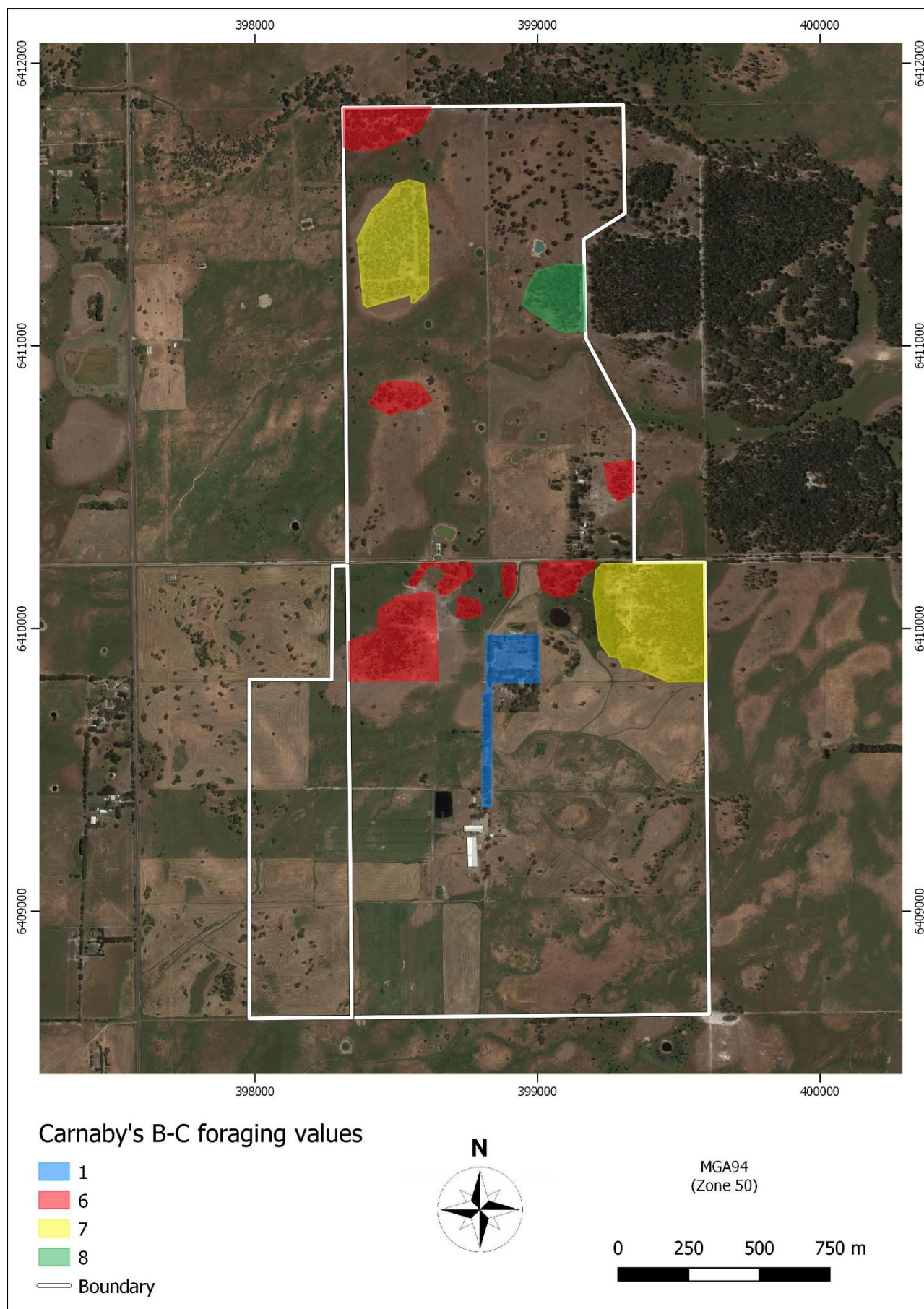


Figure 6. BCE foraging scores for Carnaby's Black-Cockatoo.

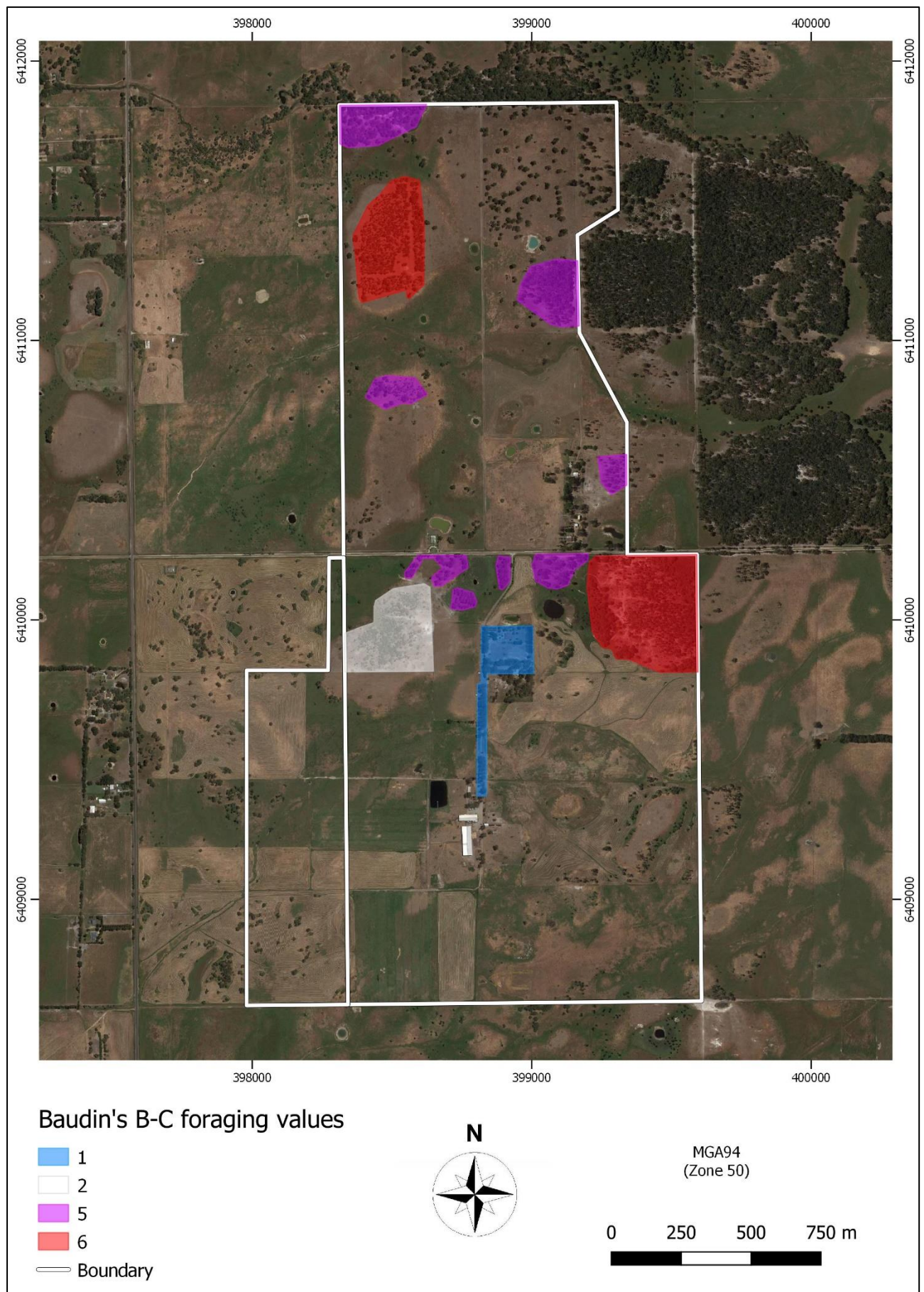


Figure 7. BCE foraging scores for Baudin's Black-Cockatoo.

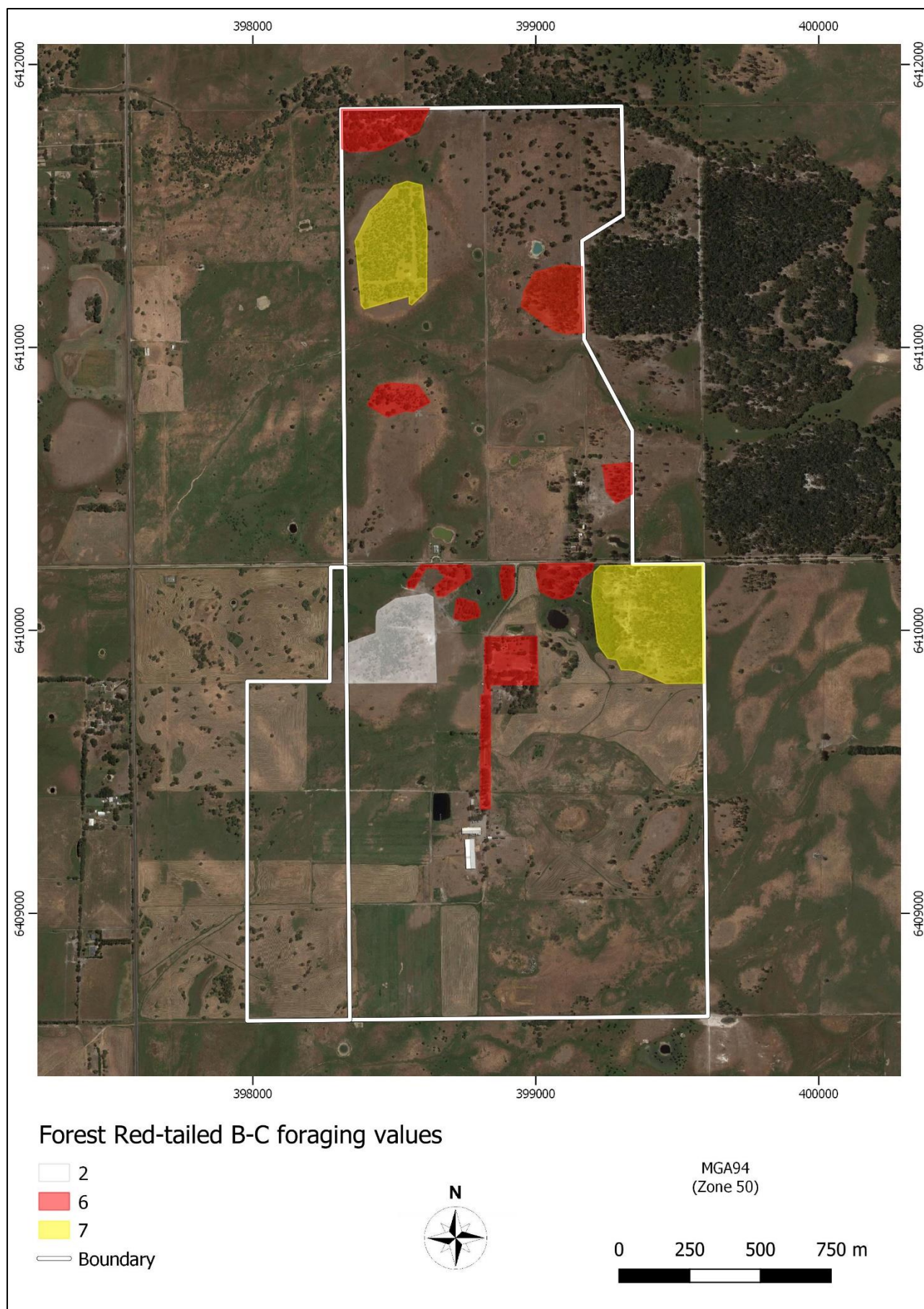


Figure 8. BCE foraging scores for Forest Red-tailed Black-Cockatoo.

Assessment of Roosting Habitat

Within the wider Keysbrook area, four Carnaby's Black Cockatoo roost sites are confirmed (Figure 9). The nearest is within quality Marri and Jarrah bushland 250 metres East of Lot 201. The three other sites are 2.5 km to the south, 3.7 km south-east and 3.4 km west. Black-cockatoos will often roost in the tallest trees in a region and the project area has an abundance of trees suitable for roosting flocks, however roosting behaviour tends to occur at sites used traditionally by the birds.

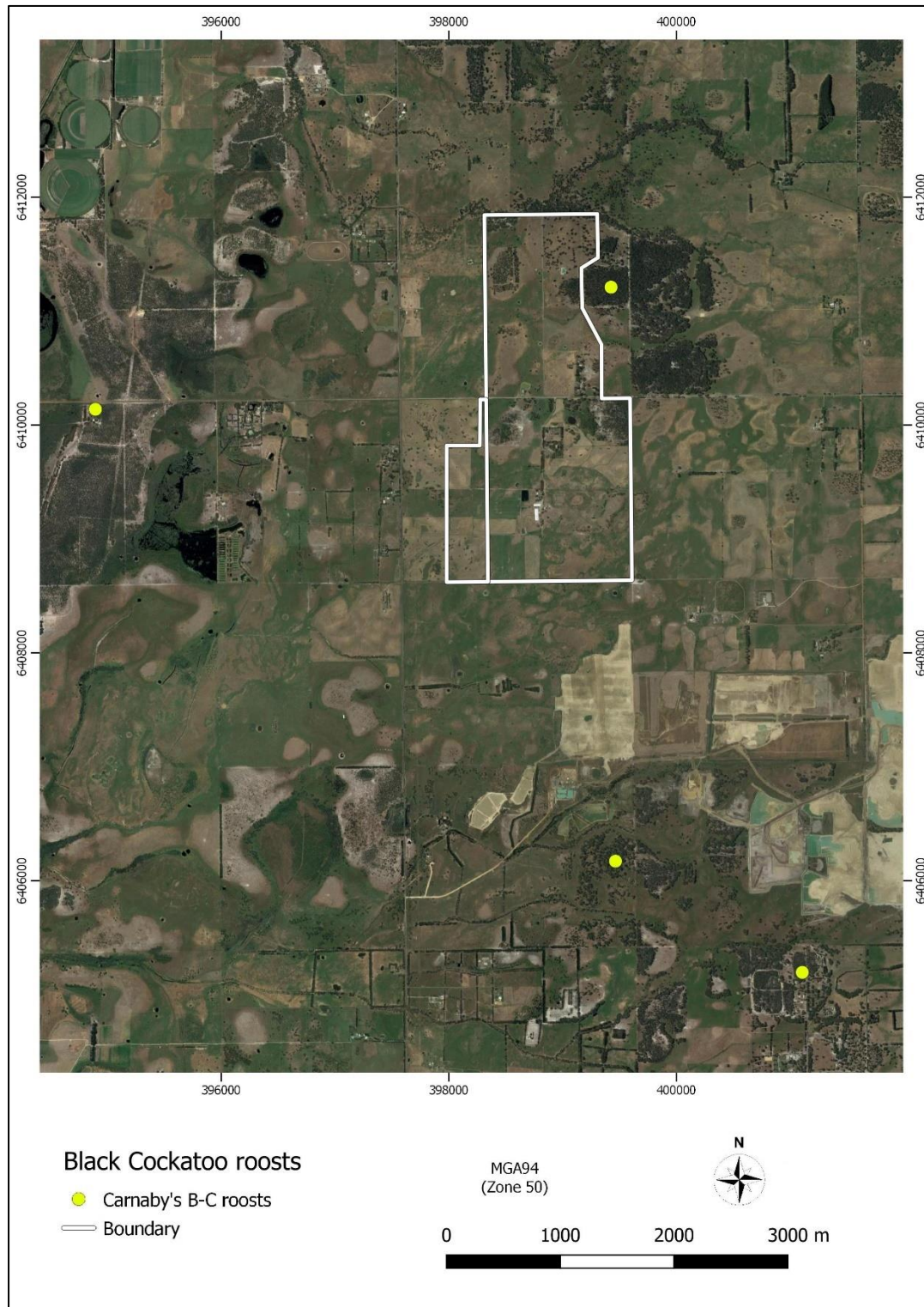


Figure 9. Confirmed black-cockatoo roosts within the general vicinity of the project area.

CONCLUSIONS

The project area provides value for all three black-cockatoo species for nesting and foraging. Many large eucalypts display hollows that appear to be suitable for nesting with 172 trees with a BCE rank of 3 or higher, and one tree found where there was probably nesting activity (although actual nesting can only be confirmed by seeing eggs or chicks). The vegetation in the project area includes patches that are at least of moderate foraging quality for all three species. The presence of feeding Forest Red-tailed Black-Cockatoos during the site visits confirmed the importance of the site for foraging for that species. The value of nesting resources within the project area are increased due to the bushland directly to the east which is the largest remnant patch in the Keysbrook area. If black-cockatoos are to nest within the project area, it provides birds with a substantial foraging area within close proximity and it also provides connectivity to other forested areas, in particular, 6 km to the east along the Darling Scarp. Data gained from the Great Cocky Count confirmed the presence of a Carnaby's Black-Cockatoo roost within the bushland immediately outside the project area. Water sources are accessible in the form of farm dams and intermittent wetlands within the project area as well as a creekline to the north; such nearby water sources make large trees attractive for roosting.



Figure 10. Tree #323 with recent chew marks (likely B-C) on the right side of the hollow displaying fresh wood.



Figure 11. Fresh chew marks likely made by a Galah.



Figure 12. Fresh chew marks on the left of hollow likely made by a Galah.



Figure 13. A stag surrounded by Banksia and Kunzea woodland in Lot 64.



Figure 14. Isolated paddock trees in Lot 508.



Figure 15. A mix of Eucalypt, Sheoak, Banksia and Kunzea with a degraded understory in Lot 64.



Figure 16. A stand of mostly planted Eucalypts around the homestead in Lot 64.



Figure 17. Large introduced white gum eucalypts planted along the driveway in Lot 64.



Figure 18. Isolated stand of Marri and Jarrah in Lot 64.



Figure 19. Forest Red-tailed Black-Cockatoo foraging debris of Marri fruit.



Figure 20. Nesting Galahs in Lot 64 ext. (WP 772).

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Appendix 1. Ranking system for the assessment of potential nest trees for Black-Cockatoos.

Class	Description of tree and hollows/activity
1	Active nest observed; adult (or immature) bird seen entering or emerging from hollow. Can also be applied to nests which are known to have been used in the previous breeding season (by observation) even if not occupied at the time of inspection.
2	Hollow of suitable size and angle (i.e. vertical or near-vertical) visible with chew marks around entrance.
3	Potentially suitable hollow visible but no chew marks present; or potentially suitable hollow suspected to be present (as suggested by structure of tree, such as large, vertical trunk broken off at a height of >10m).
4	Tree with large hollows or broken branches that might contain large hollows but hollows or potential hollows are not vertical or near-vertical; thus a tree with or likely to have hollows of sufficient size but not to have hollows of the angle preferred by Black-Cockatoos.
5	Tree lacking large hollows or broken branches that might have large hollows; a tree with more or less intact branches and a spreading crown.

Appendix 2. Scoring system for the assessment of foraging value of vegetation for black-cockatoos. Revised 5th August 2018

Bamford Consulting Ecologists

Introduction

Application of the Offset Assessment Guide (offsets guide) developed by the federal environment department for assessing black-cockatoo foraging habitat requires the calculation of a score out of 10. The following system has been developed by Bamford Consulting to provide an objective scoring system that is practical and can be used by trained field zoologists with experience in the environments frequented by the species.

Calculating the total score (out of 10) requires the following steps:

- A Determining a score out of six for the vegetation composition, condition and structure; plus
- B Determining a score out of three for the context of the site; plus
- C Determining a score out of one for species density.
- D Determining the total score out of 10, which may require moderation for context and species density with respect to the vegetation composition.

Calculation of scores and the moderation process are described in detail below.

A. Vegetation composition, condition and structure scoring

Site Score	Description of Vegetation Values		
	Carnaby's Black-Cockatoo	Baudin's Black-Cockatoo	Forest Red-tailed Black-Cockatoo
0	No foraging value. No Proteaceae, eucalypts or other potential sources of food. Examples: • Water bodies (e.g. salt lakes, dams, rivers); • Bare ground; • Developed sites devoid of vegetation (e.g. infrastructure, roads, gravel pits).	No foraging value. No eucalypts or other potential sources of food. Examples: • Water bodies (e.g. dams, rivers); • Bare ground; • Developed sites devoid of vegetation (e.g. infrastructure, roads, gravel pits).	No foraging value. No eucalypts or other potential sources of food. Examples: • Water bodies (e.g. dams, rivers); • Bare ground; • Developed sites devoid of vegetation (e.g. infrastructure, roads, gravel pits).
1	Negligible to low foraging value. Examples: • Scattered specimens of known food plants but projected foliage cover of these is < 2%. This could include urban areas with scattered foraging trees; • Paddocks that are partly vegetated with melons or other known food-source weeds (e.g. <i>Erodium</i> spp.) that represent a short-term and/or seasonal food source; • Blue Gum plantations (foraging by Carnaby's Black-Cockatoos has been reported but appears to be unusual).	Negligible to low foraging value. Scattered specimens of known food plants but projected foliage cover of these < 1%. This could include urban areas with scattered foraging trees.	Negligible to low foraging value. Scattered specimens of known food plants but projected foliage cover of these < 1%. Could include urban areas with scattered foraging trees.

Site Score	Description of Vegetation Values		
	Carnaby's Black-Cockatoo	Baudin's Black-Cockatoo	Forest Red-tailed Black-Cockatoo
2	Low foraging value. Examples: - Shrubland in which species of foraging value, such as shrubby banksias, have < 10% projected foliage cover; - Woodland with tree banksias 2-5% projected foliage cover; - Open eucalypt woodland/mallee of small-fruited species; - Paddocks that are densely vegetated with melons or other known food-source weeds (e.g. <i>Erodium</i> spp.) that represent a short-term and/or seasonal food source.	Low foraging value. Examples: - Woodland with scattered specimens of known food plants (e.g. Marri and Jarrah) 1-5% projected foliage cover; - Urban areas with scattered foraging trees.	Low foraging value. Examples: - Woodland with scattered specimens of known food plants (e.g. Marri, Jarrah or Sheoak) 1-5% projected foliage cover; - Urban areas with scattered food plants such as Cape Lilac, <i>Eucalyptus caesia</i> and <i>E. erythrocorys</i>.
3	Low to Moderate foraging value. Examples: - Shrubland in which species of foraging value, such as shrubby banksias, have 10-20% projected foliage cover; - Woodland with tree banksias 5-20% projected foliage cover; - Eucalypt Woodland/Mallee of small-fruited species; - Eucalypt Woodland with Marri < 10% projected foliage cover.	Low to Moderate foraging value. Examples: - Eucalypt Woodland with known food plants (especially Marri) 5-20% projected foliage cover; - Parkland-cleared Eucalypt Woodland/Forest with known food plants 10-40% projected foliage cover (poor long-term viability without management); - Younger areas of (managed) revegetation with known food plants 10-40% projected foliage cover (establishing food sources with good long-term viability).	Low to Moderate foraging value. Examples: - Eucalypt Woodland with known food plants (especially Marri and Jarrah) 5-20% projected foliage cover; - Parkland-cleared Eucalypt Woodland/Forest with known food plants 10-40% projected foliage cover (poor long-term viability without management); - Younger areas of (managed) revegetation with known food plants 10-40% projected foliage cover (establishing food sources with good long-term viability).

Site Score	Description of Vegetation Values		
	Carnaby's Black-Cockatoo	Baudin's Black-Cockatoo	Forest Red-tailed Black-Cockatoo
4	Moderate foraging value. Examples: - Woodland/forest with tree banksias 20-40% projected foliage cover; - Eucalypt Woodland/Forest with Marri 20-40% projected foliage cover.	Moderate foraging value. Examples: - Marri-Jarrah Woodland/Forest with 20-40% projected foliage cover; - Marri-Jarrah Forest with 40-60% projected foliage cover but vegetation condition reduced due to weed invasion and/or some tree deaths. - Eucalypt Woodland/Forest with diverse, healthy understorey and known food trees (especially Marri) 10-20% projected foliage cover. - Orchards with highly desirable food sources (e.g. apples, pears, some stone fruits).	Moderate foraging value. Examples: - Marri-Jarrah Woodland/Forest with 20-40% projected foliage cover; - Marri-Jarrah Forest with 40-60% projected foliage cover but vegetation condition reduced due to weed invasion and/or some tree deaths; - Sheoak Forest with 40-60% projected foliage cover.
5	Moderate to High foraging value. Examples: - Banksia Forest with 40-60% projected foliage cover; - Banksia Forest with > 60% projected foliage cover but vegetation condition reduced due to weed invasion and/or some tree deaths; - Pine plantations with trees more than 10 years old.	Moderate to High foraging value. Examples: - Marri-Jarrah Forest with 40-60% projected foliage cover; - Marri-Jarrah Forest with > 60% projected foliage cover but vegetation condition reduced due to weed invasion and/or some tree deaths.	Moderate to High foraging value. Examples: - Marri-Jarrah Forest with 40-60% projected foliage cover; - Marri-Jarrah Forest with > 60% projected foliage cover but vegetation condition reduced due to weed invasion and/or some tree deaths. - Sheoak Forest with > 60% projected foliage cover.

Site Score	Description of Vegetation Values		
	Carnaby's Black-Cockatoo	Baudin's Black-Cockatoo	Forest Red-tailed Black-Cockatoo
6	High foraging value. Example: Banksia Forest with > 60% projected foliage cover and vegetation condition good with low weed invasion and/or low tree deaths (indicating it is robust and unlikely to decline in the medium term).	High foraging value. Example: Marri-Jarrah Forest with > 60% projected foliage cover and vegetation condition good with low weed invasion and/or low tree deaths (indicating it is robust and unlikely to decline in the medium term).	High foraging value. Example: Marri-Jarrah Forest with > 60% projected foliage cover and vegetation condition good with low weed invasion and/or low tree deaths (indicating it is robust and unlikely to decline in the medium term).

Vegetation structural class terminology follows Keighery (1994).

B. Site context.

The maximum score is given in situations where foraging habitat is supporting breeding birds. It can also be given in fragmented landscapes where there is little foraging habitat remaining and thus what is left has a high contextual value. The site context score is species-specific as it depends upon factors such as the vegetation type and extent, and the presence of breeding birds, and the following table, developed by Bamford consulting in conjunction with DEE, provides a *guide* to the assignment of site context scores (note that 'local area' is defined as within a 15 km radius of the centre point of the study site):

Site Context Score	Percentage of the existing native vegetation within the 'local' area that the study site represents.	
	'Local' breeding known/likely	'Local' breeding unlikely
3	> 5%	> 10%
2	1 - 5%	5 - 10%
1	0.1 - 1%	1 - 5%
0	< 0.1%	< 0.1%

C. Species density.

Assignment of the species density score (0 or 1) is based upon the black-cockatoo species being either abundant or not abundant, and is species specific. A score of 1 is used where the species is seen or reported regularly and/or there is abundant foraging evidence. Regularly is when the species is seen at intervals of every few days or weeks for at least several months of the year. A score of 0 is used when the species is recorded or reported very infrequently and there is little or no foraging evidence.

Note that context and species density scores are affected by the vegetation score and this is discussed below.

D. Moderation of scores for the calculation of a value out of 10.

The foraging value score provides a numerical value that reflects the significance of vegetation as foraging habitat for Black-Cockatoos, and this numerical value is designed to provide the information needed by the Federal Department of the Environment and Energy (DoEE) to assess impact significance and offset requirements. The foraging value of the vegetation depends upon the type, density and condition of trees and shrubs in an area, and can be influenced by the context such as the availability of foraging habitat nearby. The BCE scoring system for value of foraging habitat has three components as detailed above. These three components are drawn from the DoEE offsets guide but the scoring approach was developed by Bamford Consulting Ecologists.

- A A score out of six for the vegetation composition, condition and structure; plus
- B A score out of three for the context of the site; plus
- C A score out of one for species density.

Foraging value can thus be assigned a score out of six, based upon site vegetation characteristics, or a score out of 10 if context and species density are considered. Assigning a score out of 10 represents step D and may require moderation rather than simple addition.

The score out of six for vegetation characteristics and value can be compared across a site, while a score out of 10 is the overall foraging value and is used for the purposes of aiding offset calculations. The calculation out of 10 requires the vegetation characteristics (out of 6) to be combined with the scores given for context and species density. It is considered that the context and density scores are not independent of vegetation characteristics; otherwise habitat of absolutely no value for black-cockatoo foraging (such as concrete or a wetland) could get a foraging score out of 10 as high as 4 if it occurred in an area where the species breed (context score of 3) and are abundant (species density score of 1). Similarly, vegetation of negligible or low characteristics which could not support black-cockatoos could be assigned a score as high as 6 out of 10. In that case, the score of 6 would be more a reflection of nearby vegetation of high characteristics than of the foraging value of the negligible to low scoring vegetation. The Black-Cockatoos would only be present because of vegetation of high characteristics, so applying the context and species density scores to vegetation of low characteristics would not give a true reflection of their foraging value.

For this reason, the context and species density scores need to be moderated for the vegetation characteristic score to prevent vegetation of little or no foraging value receiving an excessive score out of 10. A simple approach is assign a context and species density score of zero to with a characteristic score of low (2), negligible (1) or none (0), on the basis that birds will not use such areas unless they are adjacent to at least low-moderate quality foraging habitat (≥ 3). The approach to calculating a score out of 10 can be summarised as follows:

vegetation composition, condition and structure score	context score	Species density score
3-6 (low/moderate to high value)	Assessed as per B above	Assessed as per C above
0-2 (no to low value)	0	0

Appendix 3. Locations and descriptions of potential nest trees on the Keysbrook properties. UTM Zone 50; datum GDA94.

DBH: Diametre at breast height
 pot holl: potential hollows
 B-C: black-cockatoo
 FRtBC: Forest Red-tailed Black_Cockatoo
 WTE: Wedge-tailed Eagle

Waypoint	Easting	Northing	Tree sp.	Status	DBH	BCE Rank	Notes
93	399333.518	6410497	<i>E. marginata</i>	Live	620	5	
94	399343.018	6410534	<i>E. marginata</i>	Live	730	3	
95	399329.938	6410554	<i>E. marginata</i>	Live	650	3	4 pot holl
96	399332.077	6410585	<i>E. marginata</i>	Live	780	3	
97	399325.614	6410591	<i>E. marginata</i>	Dead	560	3	
98	399319.031	6410610	<i>E. marginata</i>	Dead	680	3	
99	399304.558	6410629	<i>E. marginata</i>	Dead	1350	3	3 pot holl
100	399304.977	6410502	<i>E. marginata</i>	Live	520	4	
101	399205.232	6410698	<i>E. marginata</i>	Live	1100	3	
102	399198.406	6410685	<i>E. marginata</i>	Live	1000	3	
103	399160.323	6410554	Intro. Sp.	Live	700	5	
104	399159.47	6410536	Unknown Euc. sp.	Dead	650	4	
105	399140.193	6410471	<i>E. marginata</i>	Live	500	3	2 pot holl
106	399135.994	6410449	<i>E. marginata</i>	Dead	550	4	bees
107	399150.822	6410405	<i>C. calophylla</i>	Live	650	5	
108	399182.943	6410399	<i>C. calophylla</i>	Live	850	5	
109	399186.24	6410436	Unknown Euc. sp.	Dead	550	3	4 pot holl
110	399185.964	6410388	<i>E. marginata</i>	Live	800 & 500	4	
111	399155.29	6410372	<i>E. todtiana</i>	Live	600	5	
112	399157.38	6410716	<i>E. marginata</i>	Live	650	3	2 pot holl
113	399136.536	6411191	<i>C. calophylla</i>	Live	580	5	
114	399113.717	6411216	<i>E. marginata</i>	Live	600	5	
115	399078.283	6411205	<i>C. calophylla</i>	Live	800	5	
116	399070.389	6411214	<i>C. calophylla</i>	Live	550	4	
117	399057.988	6411213	<i>C. calophylla</i>	Live	700	5	
118	399052.06	6411204	<i>C. calophylla</i>	Live	500	5	
119	399047.814	6411215	<i>E. marginata</i>	Live	500	5	
120	399037.825	6411208	<i>E. marginata</i>	Live	580	5	
121	399038.449	6411220	<i>C. calophylla</i>	Live	500	5	
122	399016.345	6411212	<i>C. calophylla</i>	Live	520	5	
123	399015.402	6411212	<i>C. calophylla</i>	Live	500	5	
124	399026.297	6411223	<i>C. calophylla</i>	Live	550	5	
125	398999.581	6411234	<i>C. calophylla</i>	Live	650	5	
126	399009.205	6411211	<i>C. calophylla</i>	Live	500	5	
127	399010.561	6411207	<i>C. calophylla</i>	Live	500	5	
128	398988.223	6411212	<i>C. calophylla</i>	Live	500	4	
129	398983.21	6411216	<i>C. calophylla</i>	Live	500	5	
130	398939.734	6411210	<i>C. calophylla</i>	Live	750	5	

Waypoint	Easting	Northing	Tree sp.	Status	DBH	BCE Rank	Notes
131	398940.092	6411221	<i>E. marginata</i>	Live	650	3	3 pot holl
132	398913.768	6411230	<i>C. calophylla</i>	Dead	900	3	
133	398934.184	6411266	<i>C. calophylla</i>	Live	880	5	
134	399004.371	6411290	<i>C. calophylla</i>	Live	700	4	
135	399055.917	6411269	<i>E. marginata</i>	Live	900	4	
136	399059.507	6411258	<i>C. calophylla</i>	Dead	500	4	
137	399073.562	6411273	<i>C. calophylla</i>	Live	700	3	bees
138	399080.501	6411275	<i>C. calophylla</i>	Live	1000	4	
139	399080.782	6411247	<i>E. marginata</i>	Live	600	5	
140	399099.592	6411218	<i>E. marginata</i>	Live	620	5	
141	399100.556	6411244	<i>C. calophylla</i>	Live	530	5	
142	399090.819	6411258	Unknown Euc. sp.	Dead	450	3	
143	399136.447	6411274	<i>E. marginata</i>	Live	650	4	
144	399145.6	6411243	<i>E. marginata</i>	Live	780	3	
145	399140.262	6411222	<i>E. marginata</i>	Live	520	5	
146	399139.141	6411203	<i>E. marginata</i>	Live	570	5	
147	399062.415	6411362	<i>C. calophylla</i>	Live	1350	3	
148	399108.324	6411435	<i>E. marginata</i>	Live	900	5	
149	399104.532	6411438	<i>E. marginata</i>	Live	800	4	
150	399077.175	6411446	<i>E. marginata</i>	Live	930	4	
151	399097.769	6411456	<i>E. marginata</i>	Live	740	5	
152	399102.699	6411470	<i>E. marginata</i>	Live	850	5	
153	399097.388	6411494	<i>C. calophylla</i>	Live	500	5	
154	399097.403	6411510	<i>E. marginata</i>	Live	900	5	
155	399095.977	6411531	<i>E. marginata</i>	Live	600	4	
156	399097.165	6411543	<i>E. marginata</i>	Live	500	5	
157	399147.466	6411563	<i>E. marginata</i>	Live	800	5	
158	399146.481	6411558	<i>C. calophylla</i>	Live	900	4	
159	399133.159	6411499	Unknown Euc. sp.	Dead	580	3	
160	399005.937	6411508	<i>C. calophylla</i>	Live	1000	3	3 pot holl, bees, WTE nest
161	399026.288	6411504	<i>C. calophylla</i>	Live	520	5	
162	398986.928	6411500	<i>C. calophylla</i>	Live	1050	4	
163	398991.579	6411412	<i>E. marginata</i>	Live	650	3	
164	398986.794	6411420	<i>E. marginata</i>	Live	680	3	
165	398889.945	6411364	<i>E. marginata</i>	Live	520	5	
166	398894.324	6411378	<i>E. marginata</i>	Live	600	4	
167	398901.481	6411404	<i>E. marginata</i>	Live	550	5	
168	398906.57	6411412	<i>E. marginata</i>	Live	500	5	
169	398922.094	6411402	<i>E. marginata</i>	Live	850	5	
170	398920.051	6411428	<i>E. marginata</i>	Live	800	5	
171	398920.248	6411427	<i>E. marginata</i>	Live	500	5	
172	398932.035	6411423	<i>E. marginata</i>	Live	600	3	
173	398955.689	6411447	<i>E. marginata</i>	Live	600	4	
174	398958.904	6411435	<i>E. marginata</i>	Live	750	5	
175	398956.015	6411424	<i>E. marginata</i>	Live	750	3	

Waypoint	Easting	Northing	Tree sp.	Status	DBH	BCE Rank	Notes
176	398945.982	6411402	<i>E. marginata</i>	Live	550	5	
177	398949.709	6411396	<i>E. marginata</i>	Live	550	4	
178	398950.961	6411393	<i>E. marginata</i>	Live	580	3	
179	398966.3	6411373	<i>E. marginata</i>	Live	600	5	
180	398948.609	6411365	<i>E. marginata</i>	Live	950	3	3 pot holl, bees
181	398879.543	6411398	<i>E. marginata</i>	Live	600	3	
182	398876.417	6411401	<i>E. marginata</i>	Live	500	3	2 pot holl
183	398869.673	6411407	<i>E. marginata</i>	Live	680	5	
184	398856.279	6411393	<i>E. marginata</i>	Live	650	4	
185	398834.95	6411400	<i>E. marginata</i>	Dead	500	5	
186	398846.977	6411410	<i>E. marginata</i>	Dead	500	4	
187	398870.721	6411434	<i>E. marginata</i>	Live	600	5	
188	398894.948	6411456	<i>E. marginata</i>	Dead	500	4	
189	398917.912	6411463	<i>E. marginata</i>	Live	750	5	
190	398900.503	6411492	<i>E. marginata</i>	Live	750	5	
191	398896.808	6411495	<i>E. marginata</i>	Dead	500	3	
192	398890.973	6411495	<i>E. marginata</i>	Live	620	5	
193	398876.99	6411493	<i>E. marginata</i>	Live	500	5	
194	398871	6411499	<i>E. marginata</i>	Live	700	5	
195	398853.939	6411513	<i>E. marginata</i>	Live	630	5	
196	398841.869	6411525	<i>E. marginata</i>	Live	700	5	
197	398844.439	6411495	<i>E. marginata</i>	Live	600	3	2 pot holl
198	398825.903	6411486	<i>E. marginata</i>	Live	500	5	
199	398858.115	6411481	<i>E. marginata</i>	Live	700	5	
200	398864.888	6411472	<i>E. marginata</i>	Live	580 & 500	5	
201	398876.674	6411468	<i>E. marginata</i>	Live	700	5	
202	398843.139	6411549	<i>E. marginata</i>	Live	650	5	
203	398868.644	6411556	<i>E. marginata</i>	Live	670	5	
204	398899.281	6411520	<i>E. marginata</i>	Live	700 & 500	4	
205	398925.658	6411524	<i>C. calophylla</i>	Live	800	5	
206	398952.466	6411542	<i>E. marginata</i>	Live	770	4	
207	398970.612	6411561	<i>C. calophylla</i>	Live	680	4	
208	398997.012	6411592	<i>C. calophylla</i>	Live	770	5	
209	399016.485	6411591	<i>C. calophylla</i>	Live	900	4	
210	399055.144	6411552	<i>C. calophylla</i>	Live	900	5	
211	399119.21	6411605	<i>E. marginata</i>	Live	500	4	
212	399062.287	6411618	<i>C. calophylla</i>	Live	770	3	
213	399095.422	6411605	<i>E. marginata</i>	Live	800	3	
214	399006.846	6411633	<i>C. calophylla</i>	Live	700	5	
215	398961.655	6411648	<i>C. calophylla</i>	Live	550	5	
216	398936.612	6411651	<i>E. marginata</i>	Dead	600	5	
217	398963.269	6411618	<i>E. marginata</i>	Live	700	4	
218	398972.797	6411615	<i>C. calophylla</i>	Live	850	3	
219	398901.474	6411592	<i>E. marginata</i>	Live	650	5	
220	398903.432	6411603	<i>E. marginata</i>	Live	750	5	

Waypoint	Easting	Northing	Tree sp.	Status	DBH	BCE Rank	Notes
221	398895.826	6411611	<i>E. marginata</i>	Live	780	5	
222	398887.588	6411617	<i>E. marginata</i>	Live	600	5	
223	398875.104	6411624	<i>E. marginata</i>	Live	520 & 600	4	
224	398872.489	6411622	<i>E. marginata</i>	Live	800 & 700	3	
225	398906.223	6411681	<i>E. marginata</i>	Live	1200	3	
226	398992.324	6411722	<i>C. calophylla</i>	Live	850	5	
227	398983.207	6411711	<i>C. calophylla</i>	Live	500	5	
228	399041.53	6411681	<i>E. marginata</i>	Live	750	4	
229	399083.561	6411644	<i>E. marginata</i>	Live	750	3	
230	399085.089	6411716	<i>E. marginata</i>	Live	800	5	
231	399078.975	6411707	<i>C. calophylla</i>	Live	700	5	
232	398767.863	6411834	<i>C. calophylla</i>	Live	850	3	wear
233	398767.271	6411837	<i>C. calophylla</i>	Live	700	5	
234	398673.406	6411717	<i>C. calophylla</i>	Live	600	5	
235	398584.725	6411709	<i>C. calophylla</i>	Live	700	5	
236	398596.084	6411655	<i>C. calophylla</i>	Live	650	3	white down feathers on outside of hollow
237	398612.364	6411644	<i>C. calophylla</i>	Live	600	3	wear
238	398610.18	6411628	<i>C. calophylla</i>	Live	900	3	2 pot holl
239	398635.736	6411593	<i>C. calophylla</i>	Dead	680	4	
240	398635.762	6411590	<i>C. calophylla</i>	Live	550	4	
241	398709.73	6411640	<i>E. marginata</i>	Dead	500	5	
242	398736.796	6411632	<i>E. marginata</i>	Live	550	5	
243	398757.221	6411583	<i>C. calophylla</i>	Live	700	5	
244	398821.519	6411483	<i>E. marginata</i>	Live	500 & 600	5	
245	398784.345	6411402	<i>E. marginata</i>	Dead	600	3	wear
246	398647.994	6411403	<i>E. marginata</i>	Live	650	3	
247	398626.098	6411421	<i>C. calophylla</i>	Live	950	5	
248	398602.96	6411449	<i>C. calophylla</i>	Live	1000	5	
254	398582.968	6411426	Unknown Euc. sp.	Dead	600	3	
255	398579.738	6411458	<i>E. marginata</i>	Dead	850	3	
256	398576.665	6411502	<i>C. calophylla</i>	Live	780	5	
257	398586.059	6411512	<i>C. calophylla</i>	Live	530	5	
258	398577.044	6411529	<i>E. marginata</i>	Live	600	4	
259	398579.574	6411530	<i>C. calophylla</i>	Live	500	5	
260	398576.205	6411557	<i>C. calophylla</i>	Live	530	5	
261	398580.904	6411557	<i>C. calophylla</i>	Live	630	4	
262	398587.661	6411558	<i>C. calophylla</i>	Live	650	5	
263	398601.07	6411394	<i>E. marginata</i>	Live	550	5	
264	398324.371	6411642	<i>C. calophylla</i>	Live	600	5	
265	398340.427	6411616	Unknown Euc. sp.	Dead	600	3	
266	398356.848	6411471	Unknown Euc. sp.	Dead	400	3	
267	398324.627	6411366	Unknown Euc. sp.	Dead	600	5	
268	398349.78	6411306	<i>C. calophylla</i>	Live	550 & 500	5	
269	398594.437	6411390	<i>C. calophylla</i>	Dead	620	4	
270	398587.656	6411372	Unknown Euc. sp.	Dead	500	3	

Waypoint	Easting	Northing	Tree sp.	Status	DBH	BCE Rank	Notes
271	398614.255	6411355	<i>E. marginata</i>	Live	500 & 500	5	
272	398549.996	6411582	<i>C. calophylla</i>	Live	500	4	
273	398526.741	6411547	<i>C. calophylla</i>	Live	500	5	
274	398534.3	6411554	<i>C. calophylla</i>	Live	500	5	
275	398548.265	6411548	<i>C. calophylla</i>	Live	600	5	
276	398537.967	6411544	<i>C. calophylla</i>	Live	500	5	
277	398527.327	6411536	<i>E. marginata</i>	Live	570	3	bees
278	398555.615	6411481	Unknown Euc. sp.	Dead	600	4	
279	398548.5	6411460	<i>E. marginata</i>	Live	570	3	
280	398562.772	6411462	<i>E. marginata</i>	Live	500	5	
281	398546.219	6411407	<i>E. marginata</i>	Dead	500	3	
282	398551.791	6411339	Unknown Euc. sp.	Dead	670	3	4 pot holl, bees
283	398559.073	6411326	<i>E. marginata</i>	Live	550	3	2 pot holl
284	398542.465	6411238	<i>C. calophylla</i>	Live	520	4	
285	398492.245	6411267	Unknown Euc. sp.	Dead	500	4	
286	398500.75	6411272	Unknown Euc. sp.	Dead	530	4	
287	398468.558	6411285	<i>C. calophylla</i>	Dead	550	3	
288	398498.815	6411343	<i>E. marginata</i>	Dead	500	4	
289	398511.091	6411412	Unknown Euc. sp.	Dead	450	3	
290	398505.791	6411518	Unknown Euc. sp.	Dead	500	3	
291	398511.024	6411521	<i>C. calophylla</i>	Live	500	5	
292	398474.637	6411511	Unknown Euc. sp.	Dead	400	3	2 pot holl
293	398464.937	6411504	Unknown Euc. sp.	Dead	500	3	
294	398476.038	6411401	Unknown Euc. sp.	Dead	530	3	
295	398466.419	6411348	<i>E. marginata</i>	Dead	450	3	3 pot holl
296	398440.971	6411307	<i>C. calophylla</i>	Live	500	5	
297	398443.633	6411295	<i>C. calophylla</i>	Live	500	5	
298	398444.045	6411291	<i>C. calophylla</i>	Live	500	5	
299	398451.257	6411276	Unknown Euc. sp.	Dead	500	4	
300	398400.176	6411250	<i>E. tottiana</i>	Live	500	3	
301	398407.98	6411287	<i>C. calophylla</i>	Live	600	5	
302	398398.865	6411296	<i>C. calophylla</i>	Live	700	5	
303	398379.052	6411321	<i>C. calophylla</i>	Live	550	5	
304	398412.529	6411294	<i>C. calophylla</i>	Dead	570	3	2 pot holl
305	398422.478	6411304	<i>C. calophylla</i>	Live	550	5	
306	398439.226	6411377	<i>E. marginata</i>	Dead	580	4	
307	398423.204	6411409	Unknown Euc. sp.	Dead	500	4	
308	398606.486	6411221	<i>C. calophylla</i>	Live	500	5	
309	398611.65	6411203	Unknown Euc. sp.	Dead	500	3	3 pot holl
310	398589.224	6411189	<i>C. calophylla</i>	Live	600	5	
311	398583.958	6411190	<i>C. calophylla</i>	Live	600	5	
312	398588.804	6411222	Unknown Euc. sp.	Dead	530	3	
313	398542.969	6411217	<i>C. calophylla</i>	Live	580	5	
314	398512.881	6411216	Unknown Euc. sp.	Dead	680	3	2 pot holl
315	398488.914	6411206	<i>C. calophylla</i>	Live	500	5	

Waypoint	Easting	Northing	Tree sp.	Status	DBH	BCE Rank	Notes
316	398481.104	6411216	<i>C. calophylla</i>	Live	600	5	
317	398447.466	6411195	<i>C. calophylla</i>	Dead	600	4	
318	398439.468	6411195	<i>C. calophylla</i>	Live	540	5	
319	398430.077	6411203	<i>C. calophylla</i>	Dead	400	3	
320	398365.736	6411216	<i>C. calophylla</i>	Live	700	3	
321	398386.773	6411199	<i>C. calophylla</i>	Live	500	5	
322	398403.65	6411158	<i>C. calophylla</i>	Live	550	5	
323	398405.616	6411159	<i>C. calophylla</i>	Live	800	2	B-C chew marks, 3 pot holl, bees
324	398420.799	6411127	<i>C. calophylla</i>	Dead	500	3	
325	398488.811	6411188	<i>C. calophylla</i>	Live	550	5	
326	398559.66	6411165	<i>C. calophylla</i>	Live	600	4	
327	398506.216	6411076	<i>C. calophylla</i>	Live	600	5	
328	398349.618	6410857	<i>C. calophylla</i>	Live	640	5	
329	398377.236	6410906	<i>C. calophylla</i>	Live	850	5	
330	398437.349	6410903	Unknown Euc. sp.	Dead	500	3	bees
331	398456.558	6410938	<i>C. calophylla</i>	Dead	600	3	bees
332	398420.171	6410798	<i>C. calophylla</i>	Live	600	5	
333	398445.006	6410806	<i>C. calophylla</i>	Live	580	5	
334	398459.523	6410811	Unknown Euc. sp.	Dead	600	4	
335	398467.958	6410795	Unknown Euc. sp.	Dead	500	4	
336	398478.693	6410803	<i>C. calophylla</i>	Live	500	5	
337	398479.804	6410768	<i>C. calophylla</i>	Live	600	5	
338	398502.583	6410775	<i>E. marginata</i>	Live	800	3	
339	398516.553	6410797	Unknown Euc. sp.	Dead	450	3	
340	398536.731	6410801	Unknown Euc. sp.	Dead	550	3	3 pot holl
341	398543.704	6410790	<i>C. calophylla</i>	Live	550	5	
342	398546.087	6410787	<i>C. calophylla</i>	Live	700	5	
343	398568.265	6410778	<i>E. marginata</i>	Dead	530	3	2 pot holl
344	398572.839	6410866	Unknown Euc. sp.	Dead	500	3	
345	398526.541	6410832	<i>E. marginata</i>	Dead	630	3	
346	398496.238	6410826	<i>C. calophylla</i>	Live	530	4	
347	398491.551	6410825	<i>C. calophylla</i>	Live	500	4	
348	398475.834	6410863	<i>C. calophylla</i>	Live	600	3	
349	398464.053	6410847	<i>C. calophylla</i>	Live	500	5	
350	398463.147	6410835	<i>C. calophylla</i>	Live	750	3	
351	398612.089	6411010	<i>C. calophylla</i>	Live	570	5	
352	398799.452	6411013	Unknown Euc. sp.	Dead	580	3	
353	398718.51	6410845	Unknown Euc. sp.	Dead	900	3	bees, pair of Galahs near hollow
354	398681.993	6410913	<i>C. calophylla</i>	Live	600	5	
355	398617.796	6410967	<i>C. calophylla</i>	Live	550	5	
356	398606.356	6410964	<i>C. calophylla</i>	Live	600	5	
357	398600.93	6410952	<i>C. calophylla</i>	Live	600	5	
358	398606.744	6410944	<i>C. calophylla</i>	Live	500	5	
359	398635.257	6410914	Unknown Euc. sp.	Dead	600	4	

Waypoint	Easting	Northing	Tree sp.	Status	DBH	BCE Rank	Notes
360	398625.784	6410874	<i>C. calophylla</i>	Live	500	5	
361	398625.98	6410873	<i>C. calophylla</i>	Live	500	5	
362	398623.775	6410868	<i>C. calophylla</i>	Live	600	3	
363	398603.643	6410814	<i>E. marginata</i>	Dead	450	3	
364	398603.403	6410800	<i>E. todtiana</i>	Live	650	3	
365	398676.781	6410777	<i>C. calophylla</i>	Live	580 & 540	5	
366	398678.935	6410778	<i>C. calophylla</i>	Live	500	5	
367	398497.231	6410718	<i>E. marginata</i>	Live	700	5	
368	398449.418	6410537	<i>E. marginata</i>	Dead	600	3	2 pot holl
369	398447.793	6410493	<i>E. todtiana</i>	Live	500	5	
370	398432.596	6410415	<i>E. todtiana</i>	Live	550	5	
372	398451.813	6410402	<i>E. marginata</i>	Live	550	5	
373	398432.164	6410393	<i>E. marginata</i>	Dead	550	4	
374	398423.096	6410360	<i>E. todtiana</i>	Live	600	5	
375	398386.981	6410306	<i>C. calophylla</i>	Live	850	4	
376	398351.518	6410289	<i>C. calophylla</i>	Live	630	5	FRtBC foraging debris
377	398345.889	6410297	<i>C. calophylla</i>	Live	900	4	
378	398357.191	6410314	<i>C. calophylla</i>	Live	550	4	
379	398365.609	6410318	<i>C. calophylla</i>	Live	570	5	
380	398390.02	6410349	<i>E. todtiana</i>	Live	500	5	
381	398399.434	6410357	<i>E. todtiana</i>	Live	500	4	
382	398404.149	6410375	<i>E. todtiana</i>	Live	550 & 550	5	
383	398336.702	6410341	<i>E. todtiana</i>	Live	630	5	
384	398564.68	6410259	<i>C. calophylla</i>	Live	500	5	
385	398761.92	6410549	<i>C. calophylla</i>	Live	670	5	
386	398718.576	6410474	<i>C. calophylla</i>	Live	500 & 500	5	
387	398763.632	6410472	<i>C. calophylla</i>	Live	600	5	
388	398776.101	6410466	<i>C. calophylla</i>	Live	500	4	
389	398791.371	6410453	<i>C. calophylla</i>	Live	550 & 730	4	
390	398801.434	6410350	<i>C. calophylla</i>	Live	500	5	
391	398809.075	6410348	<i>C. calophylla</i>	Live	650	4	
392	398791.266	6410315	<i>C. calophylla</i>	Live	650	5	
393	398781.167	6410299	<i>C. calophylla</i>	Live	650	5	
394	398782.196	6410300	<i>C. calophylla</i>	Live	600	5	
395	398766.044	6410316	<i>C. calophylla</i>	Live	1000	4	bees
396	398719.378	6410273	<i>C. calophylla</i>	Dead	500	4	
397	398714.217	6410282	<i>C. calophylla</i>	Live	500	4	
398	398726.744	6410335	<i>C. calophylla</i>	Live	630	5	
399	398622.869	6410362	<i>C. calophylla</i>	Live	550	5	
400	398726.3	6410230	<i>C. calophylla</i>	Live	600	5	
401	398763.432	6410053	<i>C. calophylla</i>	Live	500	5	
402	398728.895	6410048	<i>C. calophylla</i>	Live	570	5	
403	398746.818	6410069	<i>E. marginata</i>	Dead	650	3	
404	398736.642	6410109	<i>C. calophylla</i>	Live	550	5	
405	398772.509	6410095	<i>C. calophylla</i>	Dead	550	3	bees

Waypoint	Easting	Northing	Tree sp.	Status	DBH	BCE Rank	Notes
406	398902.442	6410132	<i>C. calophylla</i>	Live	750	3	
407	398904.859	6410154	<i>C. calophylla</i>	Live	620	4	bees
408	398906.923	6410173	<i>C. calophylla</i>	Live	600	5	
409	398909.247	6410194	<i>C. calophylla</i>	Live	1000	4	
410	398921.436	6410207	Unknown Euc. sp.	Dead	500	5	
411	398884.951	6410170	<i>C. calophylla</i>	Live	800	4	bees
412	398760.509	6410194	<i>C. calophylla</i>	Live	500	5	
413	398720.298	6410210	<i>C. calophylla</i>	Live	500	5	
414	398704.573	6410204	<i>C. calophylla</i>	Live	530	5	
415	398677.234	6410211	<i>E. todtiana</i>	Live	580	5	
416	398674.614	6410228	<i>E. todtiana</i>	Live	620 & 550	4	
417	398681.72	6410167	<i>E. marginata</i>	Dead	1030	3	4 pot holl, bees
418	398673.949	6410164	<i>E. marginata</i>	Live	750	3	
419	398655.873	6410147	<i>E. marginata</i>	Dead	550	3	
420	398664.022	6410141	<i>E. marginata</i>	Live	630	4	
421	398677.624	6410153	<i>E. todtiana</i>	Live	520	5	
422	398690.943	6410156	<i>E. marginata</i>	Dead	530	3	
423	398701.617	6410161	<i>E. marginata</i>	Live	670	4	
424	398698.011	6410174	<i>E. todtiana</i>	Live	600	5	
425	398602.779	6410219	<i>E. todtiana</i>	Live	650	5	
426	398587.58	6410197	<i>C. calophylla</i>	Live	550	5	
427	398582.494	6410198	<i>C. calophylla</i>	Live	500	5	
428	398580.686	6410182	<i>C. calophylla</i>	Live	540	4	
429	398569.434	6410170	<i>C. calophylla</i>	Live	570	4	
430	398497.255	6410111	<i>E. marginata</i>	Dead	700	3	3 pot holl
431	398474.945	6410068	Unknown Euc. sp.	Dead	650	3	2 pot holl
432	398625.889	6410119	Unknown Euc. sp.	Dead	500	3	
433	398601.428	6409962	<i>E. marginata</i>	Live	780	3	bees
434	398588.566	6409960	<i>E. marginata</i>	Dead	680	3	2 pot holl
435	398510.998	6409998	<i>E. marginata</i>	Live	850	3	
436	398527.006	6410023	Unknown Euc. sp.	Dead	470	3	
437	398549.096	6410033	<i>E. marginata</i>	Live	650	5	
438	398537.835	6410050	<i>E. todtiana</i>	Live	500	5	
439	398504.884	6410063	<i>E. marginata</i>	Live	500	4	
440	398463.454	6409986	<i>E. marginata</i>	Live	500	4	bees
441	398464.286	6409959	Unknown Euc. sp.	Dead	530	3	
442	398496.44	6409932	<i>E. marginata</i>	Dead	400	3	
443	398608.137	6409884	Unknown Euc. sp.	Dead	850	3	
444	398596.366	6409886	Unknown Euc. sp.	Dead	700	3	
445	398569.344	6409881	Unknown Euc. sp.	Dead	750	3	
446	398554.735	6409903	Unknown Euc. sp.	Dead	900	3	2 pot holl
447	398506.314	6409829	Unknown Euc. sp.	Dead	800	4	
448	398500.098	6409858	<i>E. todtiana</i>	Live	580	4	
449	398432.598	6409923	Unknown Euc. sp.	Dead	500	4	
450	398446.531	6409865	Unknown Euc. sp.	Dead	650	3	

Waypoint	Easting	Northing	Tree sp.	Status	DBH	BCE Rank	Notes
451	398419.754	6409826	<i>E. todtiana</i>	Live	550	4	
452	398391.443	6409856	Unknown Euc. sp.	Dead	450	3	
453	398351.035	6409974	<i>E. todtiana</i>	Live	500	4	
454	399029.587	6410222	Unknown Euc. sp.	Dead	650	4	
455	399059.455	6410206	<i>E. todtiana</i>	Live	750 & 650	5	
456	399082.078	6410219	<i>E. marginata</i>	Live	750	5	
457	399105.69	6410143	<i>C. calophylla</i>	Live	680	4	
458	399086.888	6410125	<i>C. calophylla</i>	Live	600	4	
459	399047.456	6410156	<i>C. calophylla</i>	Live	550	5	
460	399056.771	6410174	<i>C. calophylla</i>	Live	500	5	
461	399580.275	6410116	<i>C. calophylla</i>	Live	550	5	
462	399583.069	6410081	<i>E. todtiana</i>	Live	670	5	
463	399569.401	6410085	<i>E. marginata</i>	Live	530	4	
464	399580.373	6410059	<i>E. todtiana</i>	Live	600	4	bees
465	399563.137	6410053	<i>E. marginata</i>	Live	530	4	
466	399543.074	6410048	<i>E. todtiana</i>	Live	700	3	2 pot holl, wear
467	399567.324	6410039	<i>C. calophylla</i>	Live	500	5	
468	399581.249	6410019	<i>E. todtiana</i>	Live	620	5	
469	399592.127	6409975	<i>E. marginata</i>	Live	700	4	
470	399576.303	6409940	Unknown Euc. sp.	Dead	500	4	
471	399577.964	6409934	<i>E. marginata</i>	Live	580	4	
472	399588.307	6409933	<i>E. marginata</i>	Live	600	5	
473	399570.003	6409893	<i>E. marginata</i>	Live	600	3	
474	399513.974	6409827	<i>C. calophylla</i>	Live	600	5	
475	399468.087	6409819	<i>C. calophylla</i>	Live	500	4	
476	399504.506	6409984	Unknown Euc. sp.	Dead	700	4	
477	399511.156	6410109	<i>C. calophylla</i>	Live	650	3	
478	399516.558	6410123	<i>E. marginata</i>	Live	580	3	
479	399467.783	6410149	Unknown Euc. sp.	Dead	500	3	
480	399349.34	6409875	<i>E. marginata</i>	Live	650	5	
481	399371.084	6409882	<i>E. marginata</i>	Live	900	3	Galah chew marks, 2 pot holl, bees
482	399377.857	6409853	<i>E. marginata</i>	Dead	800	3	
483	399384.544	6409862	<i>E. marginata</i>	Live	800	3	2 pot holl
484	399407.006	6409975	<i>E. marginata</i>	Dead	1000	3	6 pot holl
485	399259.595	6410106	<i>C. calophylla</i>	Live	650	5	
486	399288.686	6409999	<i>C. calophylla</i>	Live	600 & 550	4	
487	399269.603	6409989	<i>C. calophylla</i>	Dead	500	3	
488	399254.412	6409938	<i>C. calophylla</i>	Live	530	4	
489	399314.297	6409966	<i>E. marginata</i>	Live	550	5	
490	399320.799	6409947	<i>E. marginata</i>	Dead	700	4	
491	399137.82	6409875	<i>C. calophylla</i>	Live	500	5	
492	399139.444	6409881	<i>C. calophylla</i>	Live	500	5	
493	399033.135	6409945	<i>C. calophylla</i>	Live	500	5	
494	399027.775	6409954	<i>C. calophylla</i>	Live	600	5	
495	399047.712	6409963	<i>C. calophylla</i>	Live	500	5	

Waypoint	Easting	Northing	Tree sp.	Status	DBH	BCE Rank	Notes
496	399068.296	6409945	<i>C. calophylla</i>	Live	500	4	
497	399078.23	6409947	<i>C. calophylla</i>	Live	530	5	
498	399215.336	6410123	<i>C. calophylla</i>	Live	800	5	
499	398831.19	6409748	Intro. sp.	Live	500	5	
500	398830.095	6409764	Intro. sp.	Live	850	5	
501	398821.971	6409758	Intro. sp.	Live	800	5	
502	398820.938	6409749	Intro. sp.	Live	600	5	
503	398818.06	6409699	Intro. sp.	Live	700	5	
504	398819.519	6409685	Intro. sp.	Live	500	5	
505	398819.362	6409672	Intro. sp.	Live	700	5	
506	398818.56	6409658	Intro. sp.	Live	750	5	
507	398816.522	6409646	Intro. sp.	Live	850	5	
508	398817.33	6409632	Intro. sp.	Live	750	5	
509	398820.669	6409617	Intro. sp.	Live	650	5	
510	398816.485	6409594	Intro. sp.	Live	600	5	
511	398828.642	6409628	Intro. sp.	Live	700	5	
512	398827.557	6409643	Intro. sp.	Live	1050	5	
513	398827.543	6409654	Intro. sp.	Live	600	5	
514	398829.463	6409668	Intro. sp.	Live	600	5	
515	398828.306	6409680	Intro. sp.	Live	850	5	
516	398828.364	6409693	Intro. sp.	Live	1000	5	
517	398828.49	6409709	Intro. sp.	Live	600 & 500	5	
518	398827.92	6409728	Intro. sp.	Live	700	5	
519	398828.487	6409737	Intro. sp.	Live	700	5	
520	398831.244	6409892	Intro. sp.	Live	650	5	
521	398830.387	6409903	Intro. sp.	Live	1000	5	
522	398830.172	6409915	Intro. sp.	Live	1150	5	
523	398829.98	6409934	Intro. sp.	Live	750	5	
524	398830.812	6409945	Intro. sp.	Live	800	5	
525	398832.339	6409952	Intro. sp.	Live	900	5	
526	398833.772	6409968	Intro. sp.	Live	950	5	
527	398841.873	6409836	Intro. sp.	Live	700	5	
528	398842.738	6409843	Intro. sp.	Live	900	5	
529	398841.24	6409852	Intro. sp.	Live	1200	5	
530	398907.647	6409849	Intro. sp.	Live	800	5	
531	398917.237	6409830	Intro. sp.	Live	600	5	
532	398917.918	6409819	Intro. sp.	Live	550	5	
533	398914.564	6409815	Intro. sp.	Live	600	5	
534	398917.628	6409801	Intro. sp.	Live	600	5	
535	398922.029	6409784	Intro. sp.	Live	550	5	
536	398941.671	6409784	Intro. sp.	Live	550	5	
537	398942.051	6409784	Intro. sp.	Live	600	5	
538	398942.417	6409785	Intro. sp.	Live	500	5	
539	398951.823	6409747	<i>C. calophylla</i>	Dead	650	3	bees
540	398966.623	6409734	<i>C. calophylla</i>	Live	550	4	

Waypoint	Easting	Northing	Tree sp.	Status	DBH	BCE Rank	Notes
541	398977.883	6409736	<i>C. calophylla</i>	Live	600	5	
542	398983.503	6409738	<i>C. calophylla</i>	Live	750	3	Galah chew marks
543	398990.356	6409758	<i>C. calophylla</i>	Live	550	5	
544	398964.715	6409765	<i>C. calophylla</i>	Dead	1000	3	3 pot holl, bees
545	398989.723	6409774	<i>C. calophylla</i>	Dead	500	3	bees
546	398992.954	6409789	Intro. sp.	Live	650	5	
547	398991.338	6409791	Intro. sp.	Live	500	5	
548	398990.531	6409796	Intro. sp.	Live	600	5	
549	398992.367	6409801	Intro. sp.	Live	700	5	
550	398991.796	6409801	Intro. sp.	Live	500	5	
551	398994.884	6409803	Intro. sp.	Live	700	5	
552	398994.56	6409807	Intro. sp.	Live	650	5	
553	398993.731	6409815	Intro. sp.	Live	550	5	
554	398994.441	6409819	Intro. sp.	Live	600	5	
555	398955.603	6409839	Intro. sp.	Live	500	5	
556	398943.814	6409833	Intro. sp.	Live	500	5	
557	398945.315	6409852	Intro. sp.	Live	750	5	
558	398930.716	6409855	Intro. sp.	Live	650	5	
559	398925.133	6409849	Intro. sp.	Live	650	5	
560	398889.084	6409825	Intro. sp.	Live	500	5	
561	398863.572	6409829	Intro. sp.	Live	650	5	
562	398824.937	6409492	Intro. sp.	Live	650	5	
563	398823.569	6409479	Intro. sp.	Live	600	5	
564	398823.135	6409465	Intro. sp.	Live	650	5	
565	398821.935	6409454	Intro. sp.	Live	550	5	
566	398822.635	6409441	Intro. sp.	Live	600	5	
567	398824.083	6409390	Intro. sp.	Live	100 & 700	5	
568	398816.915	6409356	Intro. sp.	Live	600	5	
569	398820.665	6409366	Intro. sp.	Live	700	5	
570	398772.189	6409372	Intro. sp.	Live	700	5	
591	398770.403	6409372	Intro. sp.	Live	600	5	
592	398778.214	6409418	Intro. sp.	Live	800	5	
593	398777.214	6409424	Intro. sp.	Live	650	5	
594	398797.932	6409429	Intro. sp.	Live	500	5	
595	398818.584	6409451	Intro. sp.	Live	800	5	
596	398819.567	6409475	Intro. sp.	Live	650	5	
597	398823.166	6409491	Intro. sp.	Live	600	5	
598	398819.66	6409503	Intro. sp.	Live	750	5	
599	398806.535	6409341	Intro. sp.	Live	700	5	
600	398803.516	6409342	Intro. sp.	Live	500	5	
601	398798.488	6409337	Intro. sp.	Live	900	5	
602	398791.439	6409337	Intro. sp.	Live	550	5	
603	398781.762	6409336	Intro. sp.	Live	850	5	
604	398775.294	6409334	Intro. sp.	Live	750	5	
605	398823.538	6409230	Intro. sp.	Live	800	5	

Waypoint	Easting	Northing	Tree sp.	Status	DBH	BCE Rank	Notes
606	398826.634	6409258	Intro. sp.	Live	1050	5	
607	398819.082	6409215	Unknown Euc. sp.	Dead	1200	3	3 pot holl, bees
608	398822.825	6409161	Intro. sp.	Live	900	5	
609	398820.252	6409146	Intro. sp.	Live	700	5	
610	398820	6409133	Intro. sp.	Live	650	5	
611	398815.802	6409120	Intro. sp.	Live	650	5	
612	398817.695	6409148	Intro. sp.	Live	600 & 500	4	
613	399400.043	6409788	<i>C. calophylla</i>	Live	500	5	
614	399589.506	6409532	<i>C. calophylla</i>	Live	550	5	
615	399422.549	6409428	<i>C. calophylla</i>	Dead	500	5	
616	399423.301	6409203	<i>C. calophylla</i>	Dead	500	5	
617	399387.143	6409153	<i>C. calophylla</i>	Live	800	4	
618	399350.886	6409084	<i>C. calophylla</i>	Live	700	3	
619	399403.166	6409120	<i>C. calophylla</i>	Live	500	5	
620	399224.638	6409102	<i>C. calophylla</i>	Live	500	5	
621	399261.441	6409182	<i>C. calophylla</i>	Dead	500	4	
622	398875.37	6409180	Intro. sp.	Live	700	5	
623	399153.664	6408962	Unknown Euc. sp.	Dead	900	3	
624	399221.153	6409009	Unknown Euc. sp.	Dead	550	3	
625	399544.558	6408744	Unknown Euc. sp.	Dead	500	4	
626	399398.135	6408703	<i>C. calophylla</i>	Dead	700	3	
627	399341.067	6408647	<i>C. calophylla</i>	Dead	500	5	
628	398910.307	6408838	Unknown Euc. sp.	Dead	500	4	
629	398710.405	6409635	Intro. sp.	Live	500	5	
630	398708.601	6409636	Intro. sp.	Live	500	5	
631	398455.398	6409695	Unknown Euc. sp.	Dead	1000	3	bees
632	398423.187	6409719	<i>C. calophylla</i>	Live	750	4	
633	398417.303	6409716	<i>C. calophylla</i>	Dead	500	4	
634	398379.948	6409663	<i>C. calophylla</i>	Live	650	5	
635	398341.715	6409688	<i>C. calophylla</i>	Live	550	5	
636	398343.996	6409732	<i>E. marginata</i>	Dead	1200	3	3 pot holl
1408	399332.839	6410462	<i>E. marginata</i>	Dead	500	4	
1409	399290.886	6410464	<i>E. marginata</i>	Live	500	5	
1410	399273.402	6410482	<i>E. marginata</i>	Live	800	4	
1411	399261.484	6410499	<i>E. marginata</i>	Live	600	3	
1412	399285.155	6410501	<i>E. marginata</i>	Live	600	5	
1413	399289.074	6410560	<i>E. marginata</i>	Live	800	5	
1414	399240.969	6410585	<i>C. calophylla</i>	Live	950	3	
1415	399274.99	6410614	<i>E. marginata</i>	Dead	800	4	3 FRtBC flew overhead
1416	399302.118	6410516	<i>E. marginata</i>	Live	600	3	
1417	399246.212	6410699	<i>E. marginata</i>	Dead	900	3	
1418	399237.111	6410688	<i>E. marginata</i>	Dead	800	3	
1419	399120.642	6410639	<i>E. marginata</i>	Live	950	3	
1420	399122.21	6410595	Intro. sp.	Live	1100	4	
1421	399129.783	6410609	<i>E. marginata</i>	Dead	1400	3	

Waypoint	Easting	Northing	Tree sp.	Status	DBH	BCE Rank	Notes
1422	399093.694	6410560	<i>E. marginata</i>	Dead	1000	3	bees
1423	399050.063	6410552	<i>E. marginata</i>	Dead	900	3	
1424	399055.874	6410348	<i>C. calophylla</i>	Live	500	4	
1425	398887.118	6410580	<i>E. marginata</i>	Dead	1000	3	
1426	399225.331	6410457	<i>E. marginata</i>	Dead	800	3	
1427	399232.949	6410578	<i>E. marginata</i>	Dead	700	3	
1428	399270.478	6410736	<i>E. marginata</i>	Dead	700	3	
1429	399087.748	6410703	<i>C. calophylla</i>	Live	700	4	
1430	398931.624	6410736	<i>C. calophylla</i>	Live	500	5	
1431	398973.122	6410966	<i>C. calophylla</i>	Dead	800	3	Galah chew marks
1432	399065.498	6410990	<i>C. calophylla</i>	Live	600	5	
1433	399130.252	6411180	<i>C. calophylla</i>	Live	500	4	
1434	399113.664	6411174	<i>E. marginata</i>	Live	500	5	
1435	399058.518	6411179	<i>E. marginata</i>	Dead	500	3	
1436	399039.076	6411177	<i>E. marginata</i>	Live	500	5	
1437	398997.614	6411167	<i>C. calophylla</i>	Live	800	3	
1438	398991.518	6411184	<i>C. calophylla</i>	Live	500	5	
1439	398971.576	6411157	<i>C. calophylla</i>	Live	800	5	
1440	398971.939	6411158	<i>C. calophylla</i>	Live	600	5	
1441	398963.666	6411149	<i>C. calophylla</i>	Live	600	5	
1442	398889.274	6411169	<i>E. marginata</i>	Dead	900	3	
1443	398895.941	6411142	<i>C. calophylla</i>	Live	800	4	
1444	398957.095	6411167	<i>E. marginata</i>	Dead	450	4	
1445	398941.191	6411130	<i>C. calophylla</i>	Live	500	5	
1446	398944.556	6411133	<i>C. calophylla</i>	Live	800	5	
1447	398962.366	6411147	<i>C. calophylla</i>	Live	700	5	
1448	398997.202	6411087	<i>C. calophylla</i>	Live	900	3	
1449	399007.959	6411055	<i>C. calophylla</i>	Live	900	5	
1450	399035.762	6411076	<i>E. marginata</i>	Live	1000	4	
1451	399014.958	6411097	<i>C. calophylla</i>	Live	700	3	
1452	399014.471	6411137	<i>C. calophylla</i>	Live	900	4	
1453	399021.57	6411141	<i>E. marginata</i>	Live	500	5	
1454	399056.836	6411150	<i>C. calophylla</i>	Live	500	5	
1455	399065.888	6411129	<i>C. calophylla</i>	Live	700	5	
1456	399052.723	6411119	<i>E. marginata</i>	Live	600	3	
1457	399084.137	6411100	<i>E. patens</i>	Live	500	5	
1458	399099.962	6411134	<i>C. calophylla</i>	Live	500	5	
1459	399100.423	6411154	<i>E. marginata</i>	Live	450	3	
1460	399088.57	6411080	<i>E. patens</i>	Live	500	5	
1461	399090.607	6411073	<i>E. patens</i>	Live	700	5	
1462	399098.615	6411100	<i>E. marginata</i>	Dead	700	4	
1463	399143.881	6411059	<i>E. patens</i>	Live	500	5	
1464	399135.855	6411099	<i>E. marginata</i>	Live	700	5	
1465	399120.761	6411123	<i>C. calophylla</i>	Dead	500	4	
1466	399120.658	6411143	<i>E. marginata</i>	Live	500	5	

Waypoint	Easting	Northing	Tree sp.	Status	DBH	BCE Rank	Notes
1467	399051.161	6411331	<i>C. calophylla</i>	Live	1100	3	
1468	399114.943	6411393	<i>C. calophylla</i>	Live	1200	4	
1469	399114.139	6411389	<i>C. calophylla</i>	Live	1100	5	
1470	399192.526	6411439	<i>E. marginata</i>	Live	1000	3	
1471	399235.346	6411445	<i>E. marginata</i>	Live	700	5	
1472	399276.486	6411459	<i>E. marginata</i>	Live	700	5	
1473	399295.491	6411476	<i>C. calophylla</i>	Live	800	5	
1474	399254.548	6411499	<i>E. marginata</i>	Live	700	3	Chew marks on hollow, too small for B-Cs
1475	399280.436	6411534	<i>C. calophylla</i>	Live	900	3	
1476	399257.78	6411543	<i>C. calophylla</i>	Live	700	4	bees
1477	399245.797	6411537	<i>C. calophylla</i>	Live	900	3	
1478	399190.545	6411524	<i>E. marginata</i>	Live	700	3	
1479	399182.24	6411518	<i>E. marginata</i>	Live	800	5	
1480	399178.685	6411610	<i>E. marginata</i>	Dead	700	4	
1481	399194.806	6411615	<i>E. marginata</i>	Live	600	5	
1482	399247.26	6411607	<i>E. marginata</i>	Live	650	3	
1483	399287.668	6411600	<i>E. marginata</i>	Live	700	5	
1484	399294.805	6411592	<i>C. calophylla</i>	Live	1200	5	
1485	399303.848	6411618	<i>E. marginata</i>	Live	800	4	
1486	399278.655	6411618	<i>E. marginata</i>	Live	900	4	
1487	399265.603	6411635	<i>E. marginata</i>	Dead	900	3	<i>Varanus tristis</i> in hollow
1489	399234.958	6411652	<i>C. calophylla</i>	Live	700	3	
1490	399190.618	6411639	<i>C. calophylla</i>	Live	1200	5	
1491	399180.604	6411662	<i>C. calophylla</i>	Live	800	5	
1492	399201.074	6411693	<i>E. marginata</i>	Live	800	3	
1493	399274.714	6411786	<i>E. marginata</i>	Live	900	5	
1494	399292.03	6411812	<i>E. marginata</i>	Live	500	5	
1495	399283.773	6411829	<i>C. calophylla</i>	Live	500	5	
1496	399254.861	6411824	<i>E. marginata</i>	Live	1000	3	
1497	399246.505	6411795	<i>E. marginata</i>	Dead	500	4	
1498	399196	6411749	<i>E. marginata</i>	Live	500	5	
1499	399187.489	6411726	<i>C. calophylla</i>	Live	900	3	
1500	399234.336	6411817	<i>E. marginata</i>	Live	500	5	
1501	399237.403	6411830	<i>E. marginata</i>	Live	500	5	
1502	399214.989	6411815	<i>E. marginata</i>	Live	500	5	
1503	399204.183	6411842	<i>C. calophylla</i>	Live	1300	3	
1504	399188.568	6411824	<i>C. calophylla</i>	Live	600	5	
1505	399152.888	6411810	<i>C. calophylla</i>	Live	650	4	
1506	399133.084	6411759	<i>E. marginata</i>	Live	1000	3	
1507	399123.269	6411781	<i>C. calophylla</i>	Live	1100	4	
1508	399126.266	6411820	<i>C. calophylla</i>	Live	800	4	
1509	399122.666	6411823	<i>C. calophylla</i>	Live	1000	4	
1510	399096.904	6411794	<i>E. marginata</i>	Live	1000	5	

Waypoint	Easting	Northing	Tree sp.	Status	DBH	BCE Rank	Notes
1511	399078.984	6411790	<i>E. marginata</i>	Dead	450	5	
1512	399069.658	6411811	<i>E. marginata</i>	Live	700	5	
1513	399086.863	6411839	<i>C. calophylla</i>	Live	900	5	
1514	399038.413	6411832	<i>E. marginata</i>	Live	700	3	wear
1515	399020.832	6411832	<i>C. calophylla</i>	Live	1000	5	
1516	399012.203	6411830	<i>C. calophylla</i>	Live	700	5	
1517	398996.283	6411842	<i>E. marginata</i>	Live	1200	5	
1518	398999.64	6411845	<i>E. marginata</i>	Live	700	4	
1519	398975.91	6411820	<i>C. calophylla</i>	Live	700	5	
1520	398980.232	6411811	<i>E. marginata</i>	Live	950	4	
1522	398949.057	6411807	<i>C. calophylla</i>	Live	700	5	
1523	398935.776	6411800	<i>C. calophylla</i>	Live	1000	4	bees
1524	398936.21	6411840	<i>E. marginata</i>	Live	950	5	
1525	398886.023	6411838	<i>E. marginata</i>	Live	900	5	
1526	398875.502	6411809	<i>C. calophylla</i>	Live	800	5	
1527	398851.598	6411811	<i>E. marginata</i>	Live	600	5	
1528	398848.803	6411827	<i>C. calophylla</i>	Live	650	5	
1529	398846.673	6411824	<i>E. marginata</i>	Live	800	4	
1530	398849.317	6411841	<i>E. marginata</i>	Live	600	4	
1531	398827.502	6411757	<i>C. calophylla</i>	Live	900	4	
1532	398833.263	6411755	<i>C. calophylla</i>	Live	1000	4	
1533	398835.214	6411748	<i>E. marginata</i>	Live	500	5	
1534	398837.027	6411736	<i>E. marginata</i>	Live	900	5	
1535	398836.067	6411644	<i>C. calophylla</i>	Live	900	5	
1536	398838.557	6411602	<i>E. patens</i>	Live	1000	5	
1537	398881.075	6411675	<i>E. marginata</i>	Live	900	5	
1538	398949.539	6411684	<i>C. calophylla</i>	Live	700	4	
1539	398994.071	6411725	<i>C. calophylla</i>	Live	900	4	
1540	399079.601	6411673	<i>E. patens</i>	Live	1200	5	
1541	399113.02	6411678	<i>E. patens</i>	Live	700	5	
1542	399120.944	6411676	<i>E. patens</i>	Live	600	5	
1543	399122.95	6411757	<i>E. marginata</i>	Live	700	4	
1544	398614.816	6411840	<i>C. calophylla</i>	Live	500	5	
1545	398608.931	6411836	<i>C. calophylla</i>	Live	500	5	
1546	398594.447	6411789	<i>C. calophylla</i>	Live	500	5	
1547	398592.876	6411787	<i>C. calophylla</i>	Live	500	5	
1549	398588.847	6411776	<i>E. marginata</i>	Dead	600	3	
1550	398578.434	6411773	<i>C. calophylla</i>	Live	500	5	
1551	398564.93	6411788	<i>C. calophylla</i>	Live	500	5	
1552	398512.839	6411779	<i>C. calophylla</i>	Dead	500	3	
1553	398508.006	6411783	<i>C. calophylla</i>	Live	500	5	
1554	398516.585	6411808	<i>C. calophylla</i>	Live	500	5	
1555	398415.901	6411796	<i>C. calophylla</i>	Live	500	5	
1556	398408.923	6411798	<i>C. calophylla</i>	Live	500	5	
1557	398372.066	6411789	<i>C. calophylla</i>	Live	500	5	

Waypoint	Easting	Northing	Tree sp.	Status	DBH	BCE Rank	Notes
1558	398325.568	6411793	<i>C. calophylla</i>	Live	500	5	
1559	398323.577	6411795	<i>C. calophylla</i>	Live	500	5	
1560	398317.621	6411798	<i>C. calophylla</i>	Live	500	5	
1561	398328.561	6411748	<i>C. calophylla</i>	Live	500	5	
1562	398326.368	6411705	<i>C. calophylla</i>	Live	500	5	
1563	398338.412	6411723	<i>C. calophylla</i>	Live	500	5	
1564	398343.781	6411750	<i>C. calophylla</i>	Live	500	5	
1565	398353.349	6411733	<i>C. calophylla</i>	Live	500	5	
1566	398353.354	6411733	<i>C. calophylla</i>	Live	700	5	
1567	398362.283	6411715	<i>C. calophylla</i>	Live	500	5	
1568	398387.504	6411731	<i>C. calophylla</i>	Live	500	5	
1569	398414.06	6411709	<i>C. calophylla</i>	Live	500	5	
1570	398423.033	6411733	<i>C. calophylla</i>	Live	600	4	
1571	398398.255	6411756	<i>C. calophylla</i>	Live	500	5	
1572	398451.556	6411786	<i>C. calophylla</i>	Live	600	3	
1573	398461.264	6411774	<i>C. calophylla</i>	Dead	500	3	
1574	398474.72	6411745	<i>C. calophylla</i>	Live	600	5	
1575	398473.796	6411744	<i>C. calophylla</i>	Live	500	5	
1576	398474.453	6411753	<i>C. calophylla</i>	Live	500	5	
1577	398477.096	6411771	<i>E. marginata</i>	Dead	500	5	
1578	398486.096	6411783	<i>E. marginata</i>	Dead	450	4	
1579	398494.902	6411767	<i>C. calophylla</i>	Live	500	5	
1580	398497.195	6411754	<i>C. calophylla</i>	Dead	500	4	
1581	398489.486	6411736	<i>C. calophylla</i>	Live	600	5	
1582	398498.222	6411736	<i>C. calophylla</i>	Live	500	5	
1583	398509.136	6411736	<i>C. calophylla</i>	Live	500	5	
1584	398525.289	6411747	<i>C. calophylla</i>	Live	500	5	
1585	398550.361	6411732	<i>C. calophylla</i>	Live	700	5	
1586	398560.332	6411713	<i>C. calophylla</i>	Live	500	4	
1587	398503.505	6411688	<i>C. calophylla</i>	Live	500	5	
1588	398493.863	6411684	<i>C. calophylla</i>	Live	500	5	2 FRtBC calling nearby
1589	398369.9	6411659	<i>C. calophylla</i>	Dead	600	3	
1590	398383.455	6411630	<i>C. calophylla</i>	Dead	600	3	
1591	398455.742	6411567	<i>E. marginata</i>	Dead	600	3	
1592	398376.692	6411508	<i>E. marginata</i>	Dead	500	3	
1593	398359.096	6411491	<i>E. marginata</i>	Dead	500	3	
1594	398337.663	6411342	<i>E. marginata</i>	Live	600	5	
1595	398370.546	6411363	<i>C. calophylla</i>	Live	500	5	
1596	398371.772	6411372	<i>C. calophylla</i>	Live	500	5	
1597	398609.102	6411260	<i>E. marginata</i>	Live	500	5	
1598	398603.287	6411258	<i>E. marginata</i>	Live	500	5	
1599	398594.764	6411264	<i>E. marginata</i>	Dead	450	4	
1600	398592.909	6411271	<i>E. marginata</i>	Live	500	5	
1601	398589.37	6411286	<i>E. marginata</i>	Dead	600	3	
1602	398600.916	6411288	<i>E. marginata</i>	Live	600	5	

Waypoint	Easting	Northing	Tree sp.	Status	DBH	BCE Rank	Notes
772	398152	6409799	<i>C. calophylla</i>	Dead	850	3	Galahs nesting
773	398093	6409758	<i>C. calophylla</i>	Dead	1100	3	
775	397992	6409441	<i>C. calophylla</i>	Dead	900	3	2 potential hollows
781	398230	6409701	<i>C. calophylla</i>	Dead	800	3	
785	398006	6409354	<i>C. calophylla</i>	Dead	600	3	
787	398013	6409299	Unknown Euc. sp.	Dead	750	3	3 potential hollows
809	398371	6408636	<i>E. marginata</i>	Dead	500	3	
771	398152	6409807	<i>C. calophylla</i>	Live	600	4	
780	398295	6409705	Unknown Euc. sp.	Dead	600	4	
783	398073	6409336	<i>C. calophylla</i>	Dead	700	4	
784	397984	6409411	<i>C. calophylla</i>	Dead	700	4	
789	398062	6409033	Unknown Euc. sp.	Dead	500	4	
793	398014	6408915	Unknown Euc. sp.	Dead	520	4	
807	398014	6408812	<i>C. calophylla</i>	Live	630	4	
810	398368	6408636	Unknown Euc. sp.	Dead	750	4	
811	398300	6408660	<i>C. calophylla</i>	Dead	1050	4	
774	397984	6409793	<i>C. calophylla</i>	Live	750	5	
776	398232	6409772	<i>C. calophylla</i>	Live	700	5	
777	398237	6409775	<i>C. calophylla</i>	Live	650	5	
782	398075	6409350	<i>C. calophylla</i>	Live	550	5	
786	398023	6409302	<i>C. calophylla</i>	Live	570	5	
790	398139	6409003	<i>C. calophylla</i>	Live	600	5	
792	397999	6408938	<i>C. calophylla</i>	Live	500	5	
794	398135	6408908	<i>C. calophylla</i>	Live	570	5	
795	398155	6408917	<i>C. calophylla</i>	Live	500	5	
796	398199	6408889	<i>C. calophylla</i>	Live	650	5	
797	398210	6408878	<i>C. calophylla</i>	Live	550	5	
798	398200	6408826	<i>C. calophylla</i>	Live	650	5	
799	398202	6408809	<i>C. calophylla</i>	Live	600	5	
800	398180	6408779	<i>C. calophylla</i>	Live	650	5	
801	398175	6408816	<i>C. calophylla</i>	Live	550	5	
802	398195	6408792	<i>C. calophylla</i>	Live	500	5	
803	398146	6408857	<i>C. calophylla</i>	Live	550	5	
804	398092	6408847	<i>C. calophylla</i>	Live	500	5	
805	398029	6408820	<i>C. calophylla</i>	Live	500	5	
806	398023	6408819	<i>C. calophylla</i>	Live	500	5	
808	398150	6408740	<i>C. calophylla</i>	Live	600	5	