

27 October 2021

Our Reference: 21310-21-BILR-1Rev0_211027

Steve Gill
Chief Executive Officer
Newton Orchards
PO Box 190
Manjimup WA 65258

Dear Steve,

Re: Lot 101 Mersea Road Wilgarrup – Targeted Black Cockatoo Assessment, September 2021

1 Introduction

Newton Orchards received the following advice from the Department of Water and Environmental Regulation (DWER) on a clearing application for 101 Mersea Road, Wilgarrup:

“Given the abundance of vegetation in conservation areas in the local area (a 10-km radius measured from the perimeter of the application area), it is unlikely that fauna habitat within the application area will be considered significant. However, if the required fauna survey identifies suitably sized black cockatoo hollows, the environmental values within the application area will be more significant. In that case, we would require you to install artificial black cockatoo nesting hollows at a ratio 1:1; i.e. one (1) artificial nesting box for one (1) suitably sized hollow which cannot be avoided.”

Newton Orchards commissioned Astron Environmental Services (Astron) to undertake a targeted black cockatoo tree assessment within the survey area shown in Figure 1.1 (Attachment 1). Specifically, the scope of work comprised:

- identify and record potential habitat and breeding trees (and those with suitably sized hollows) as per Commonwealth Guidelines (Department of Sustainability Environment Water Population and Communities 2012)
- provide a brief letter report with the list and locations of potential black cockatoo breeding trees.

2 Methods

The survey area was traversed on foot by Principal Zoologist, Dr Jessica Johnston on 20 September 2021. The breeding assessment was conducted in accordance with the referral guidelines for three threatened black cockatoo species: Carnaby’s Cockatoo, Baudin’s Cockatoo and Forest Red-tailed Black-cockatoo (Department of Sustainability Environment Water Population and Communities 2012).

Native trees that are known breeding trees for the three species of black cockatoos with a Diameter at Breast Height (DBH) of greater than 30 cm or 50 cm (depending on species) were located, and the following information was recorded:

- GPS coordinate
- tree species
- DBH
- height
- presence of hollows including:
 - height of the hollows in the tree
 - minimum entrance width of a hollow
 - diameter of the branch on which the hollow occurred
 - whether the branch was living, part dead or dead
 - any evidence of any past or current breeding activity.

The overall suitability of the hollows observed were categorised according to Table 1.

Table 1: Hollow suitability criteria for potential use by black cockatoo species.

Overall hollow suitability	Hollow present?	Suitable diameter? (>100 mm and unobstructed)	Suitable depth? (>250 mm)	Evidence of chewing around the rim?
Active (currently in use)	Yes	Yes	Yes	Yes
Suitable (no evidence of use)	Yes	Yes	Yes	No
Possible (potential to support black cockatoo but not confirmed)	Yes	Yes	Potentially	No
Not suitable	Yes	No	No	No

Access to the survey area was limited, as it is flooded with a thick undergrowth of blackberries. The perimeter of this southern area was traversed, and any trees estimated to be greater than 50 cm DBH were assessed via binoculars and recorded as above with a GPS coordinate taken at the closest possible location, and an estimate of DBH and overall height recorded, as well as the presence of any suitably sized hollows.

3 Results

The survey area contained 148 trees (23 marri (*Corymbia calophylla*), 2 jarrah (*Eucalyptus marginata*), 116 flooded gum (*E. rudis*) and seven dead stags of sufficient DBH to be classified in the referral guidelines as potential breeding trees (Department of Sustainability Environment Water Population and Communities 2012) (Figure 1.2, Attachment 1 and Table 2.1, Attachment 2).

There were four potential breeding trees which contained five hollows in total. Of these trees, only three (all flooded gum) contained hollows which were considered of a suitable size for use by black cockatoos as potential breeding sites, but the potential to support black cockatoo could not be

confirmed. Inspection of these hollows did not show signs of recent or historic use as nest sites (i.e. chew marks and droppings) and the depth of the possible hollows could not be confirmed.

4 Conclusions

Of the 148 trees of sufficient DBH, only four trees with five hollows were recorded. Of these trees, only three trees contained potential hollows considered to be of a suitable size for use by black cockatoos. Based on DWER's advice, three artificial black cockatoo hollows should be installed at the recommended 1:1 ratio.

This letter was prepared by Principal Scientist Dr Jessica Johnston and reviewed by Principal Scientist Dr Aaron Gove. If you would like to discuss the information presented further, please feel free to contact me on 9421 9600.

Yours sincerely

ASTRON ENVIRONMENTAL SERVICES



Brett Lucas
Manager - Biodiversity

Attachments

Attachment 1: Survey Area and Tree Location Maps

Attachment 2: Potential Breeding Habitat Trees for Black Cockatoos

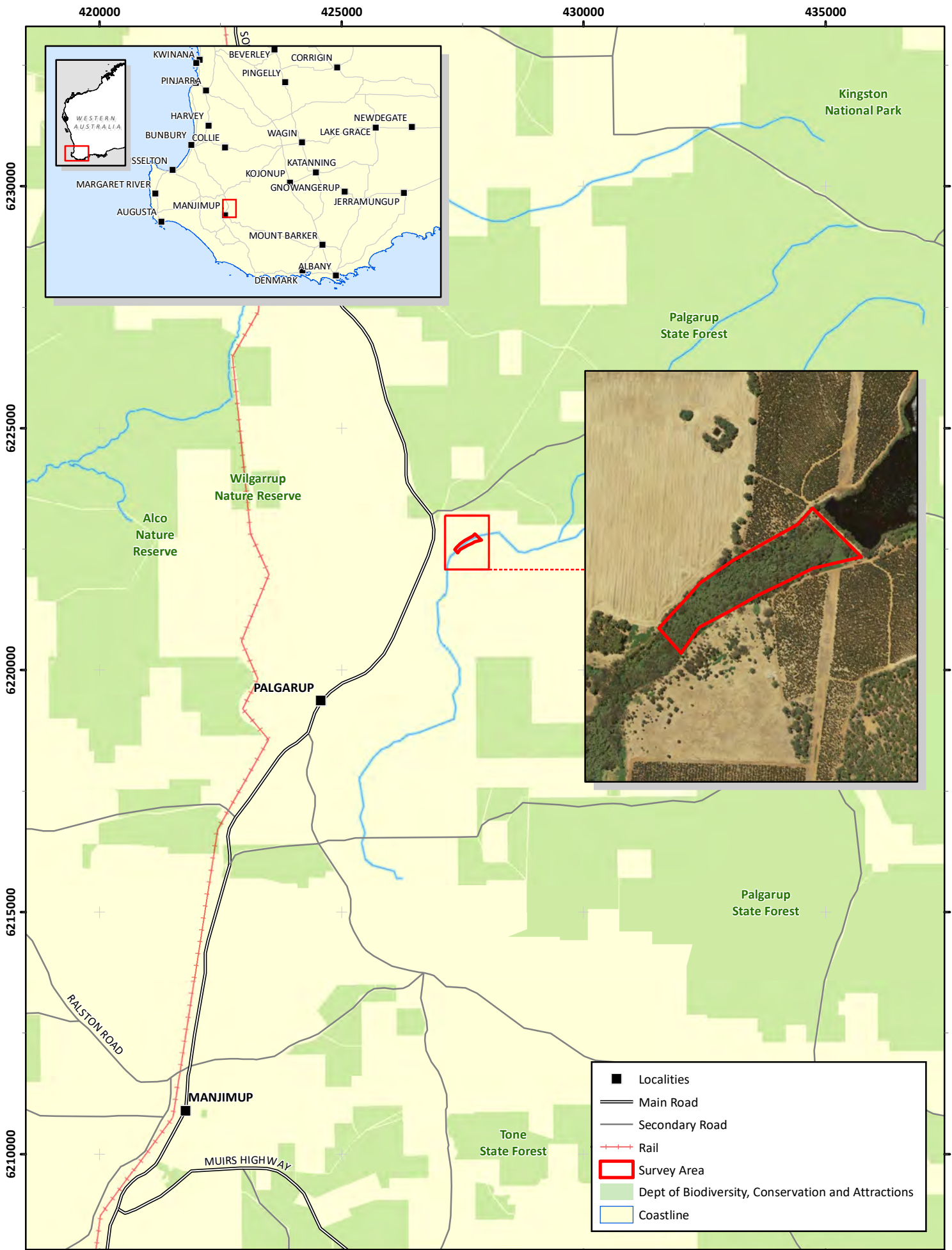
References

Department of Sustainability Environment Water Population and Communities. 2012. Environment Protection and Biodiversity Conservation Act 1999 referral guidelines for three threatened black cockatoo species: Carnaby's cockatoo, Baudin's cockatoo and Forest red-tailed black cockatoo. Canberra.

This page has been left blank intentionally.

Attachment 1: Survey Area and Tree Location Maps

This page has been left blank intentionally.



Newton Orchards
 Lot 101 Mersea Road Wilgarrup - Black Cockatoo Tree Assessment

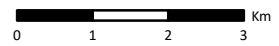
Figure 1.1: Survey area location



Author: J. Johnston
 Drawn: C. Dyde

Date: 21-10-2021
 Figure Ref: 21310-21-BIDR-1RevA_211021_Fig1.1_Locn

Datum: GDA 1994 - Projection: MGA Zone 50





Newton Orchards
 Lot 101 Mersea Road Wilgarrup - Black Cockatoo Tree Assessment

Figure 1.2: Location of potential breeding trees for black cockatoos

Author: J. Johnston

Drawn: C. Dyde

Date: 21-10-2021

Figure Ref: 21310-21-BIDR-1RevA_211021_Fig1.2

Survey Area

Tree Species

- ▲ Flooded Gum (*Eucalyptus rudis*)
- ▲ Jarrah (*Eucalyptus marginata*)
- ▲ Marri (*Corymbia calophylla*)
- ▲ Dead Stag

Hollow Suitability

- Possible
- Not suitable

Scale: 1:1,700 at A3
 Coordinate System: GDA 1994 MGA Zone 50



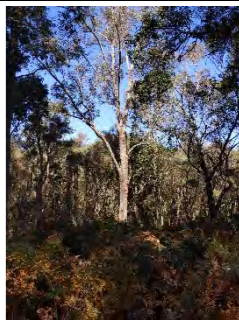


0 20 40 60 80 100 Metres


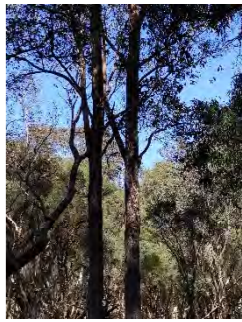







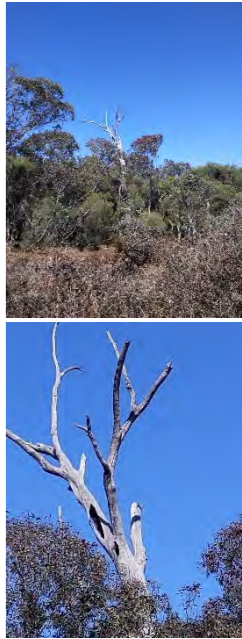
Attachment 2: Potential Breeding Habitat Trees for Black Cockatoos

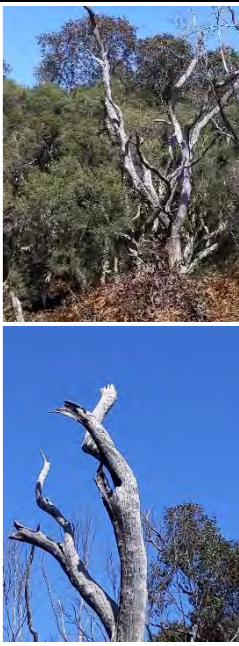



This page has been left blank intentionally.






Table 2.1: Black cockatoo potential breeding trees for the survey area.

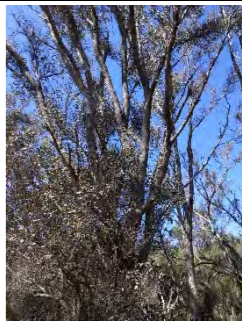




Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
293	427540	6222691	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	16	No					
294	427540	6222691	Marri (<i>Corymbia calophylla</i>)	>500	18	No					
295	427534	6222691	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	15	No					
296	427528	6222687	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	14	No					
297	427524	6222682	Marri (<i>Corymbia calophylla</i>)	2000	28	No					






Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
298	427512	6222675	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	15	No					
299	427512	6222676	Marri (<i>Corymbia calophylla</i>)	>500	15	No					
300	427512	6222676	Marri (<i>Corymbia calophylla</i>)	>500	15	No					
301	427514	6222674	Marri (<i>Corymbia calophylla</i>)	2000	20	No					
302	427498	6222655	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	15	No					

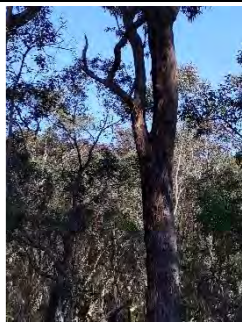
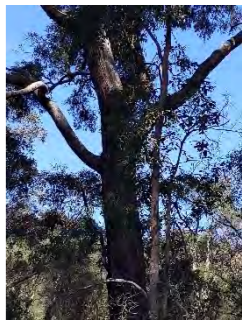
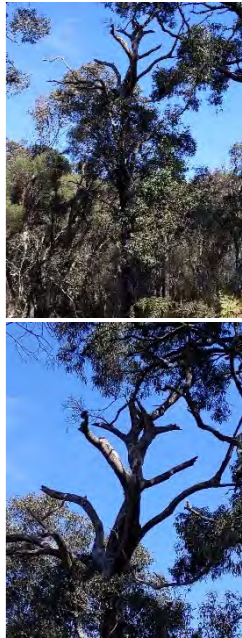

Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
303	427498	6222655	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	13	No					
304	427471	6222630	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	14	No					
305	427457	6222625	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	12	No	1	Possible medium (10-20 cm entrance)	8	Possible	
306	427434	6222607	Dead Stag	>500	8	No					No photo available






Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
307	427434	6222607	Dead Stag	>500	10	No	1	Possible large (>20 cm entrance)	8	Possible	
308	427411	6222578	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	9	No					
309	427411	6222578	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	13	No					
310	427406	6222570	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	9	No					






Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
311	427397	6222559	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	11	No					
312	427397	6222559	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	16	No					
313	427390	6222552	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	14	No					
314	427390	6222552	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	14	No					
315	427390	6222552	Marri (<i>Corymbia calophylla</i>)	>500	9	No					






Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
316	427373	6222539	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	14	No					
317	427373	6222539	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	9	No					
318	427369	6222536	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	12	No					
319	427367	6222533	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	12	No					
320	427364	6222532	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	8	No					






Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	
321	427358	6222521	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	9	No					
322	427358	6222521	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	8	No					
323	427348	6222507	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	14	No					
324	427348	6222507	Dead Stag	>500	8	No					
325	427340	6222498	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	14	No					






Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
326	427569	6222709	Marri (<i>Corymbia calophylla</i>)	>500	20	No					
327	427569	6222709	Marri (<i>Corymbia calophylla</i>)	>500	22	No					
328	427569	6222709	Marri (<i>Corymbia calophylla</i>)	>500	10	No	2	Possible small (<10 cm entrance)	8	Not suitable	
329	427586	6222706	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	10	No					






Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
330	427586	6222706	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	9	No					
331	427591	6222707	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	14	No					
332	427605	6222708	Marri (<i>Corymbia calophylla</i>)	>500	10	No					
333	427605	6222708	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	8	No					
334	427605	6222708	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	9	No					






Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
335	427612	6222710	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	12	No					
336	427615	6222711	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	14	No					
337	427615	6222711	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	14	No					
338	427618	6222708	Marri (<i>Corymbia calophylla</i>)	>500	13	No					
339	427633	6222715	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	15	No					




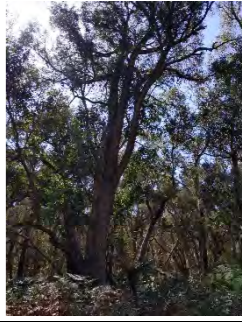
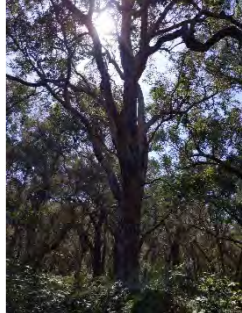
Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
340	427633	6222715	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	12	No					
341	427634	6222715	Dead Stag	>500	8	No					
342	427643	6222720	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	11	No					
343	427646	6222722	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	14	No					
344	427648	6222722	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	18	No					

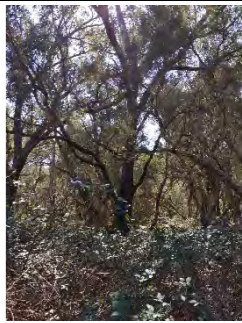
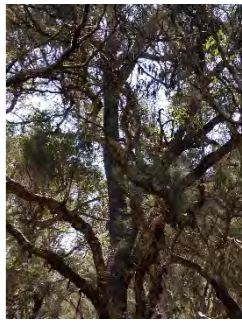


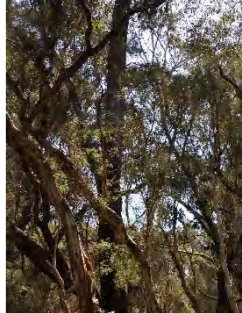
Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
345	427652	6222725	Marri (<i>Corymbia calophylla</i>)	>500	20	No					
346	427655	6222727	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	9	No					
347	427667	6222733	Marri (<i>Corymbia calophylla</i>)	>500	10	No					
348	427671	6222735	Marri (<i>Corymbia calophylla</i>)	>500	16	No					
349	427671	6222735	Marri (<i>Corymbia calophylla</i>)	>500	15	No					



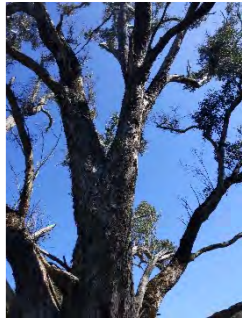


Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
350	427679	6222742	Marri (<i>Corymbia calophylla</i>)	>500	9	No					
351	427679	6222742	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	16	No					
352	427690	6222749	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	16	No					
353	427690	6222749	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	16	No					
354	427697	6222757	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	17	No					

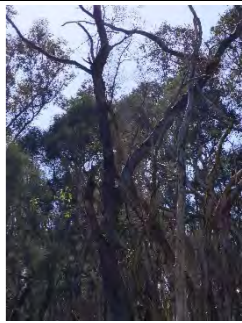
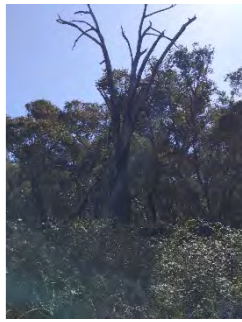



Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
355	427700	6222760	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	16	No					
356	427704	6222765	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	15	No					
357	427710	6222771	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	15	No					
358	427710	6222771	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	15	No					
359	427735	6222796	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	16	No					



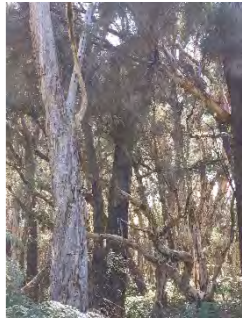

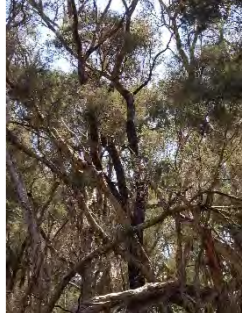
Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
360	427794	6222785	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	9	No					
361	427795	6222785	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	12	No					
362	427804	6222778	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	12	No					
363	427806	6222782	Jarraah (<i>Eucalyptus marginata</i>)	>500	9	No					
364	427820	6222779	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	15	No					






Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	
365	427866	6222724	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	17	No					
366	427865	6222725	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	18	No					
367	427870	6222667	Jarrah (<i>Eucalyptus marginata</i>)	>500	25	No					
368	427632	6222569	Marri (<i>Corymbia calophylla</i>)	>500	20	No					
369	427626	6222570	Marri (<i>Corymbia calophylla</i>)	>500	14	No					






Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
370	427604	6222565	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	9	No					
371	427601	6222565	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	14	No					
372	427594	6222564	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	9	No					
373	427580	6222559	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	6	No					
374	427580	6222559	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	20	No					






Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
375	427563	6222547	Flooded Gum (<i>Eucalyptus rudis</i>)	2000	20	No					
376	427553	6222544	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	16	No					
377	427542	6222542	Flooded Gum (<i>Eucalyptus rudis</i>)	2000	18	No					
378	427531	6222539	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	14	No					
379	427526	6222537	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	19	No					

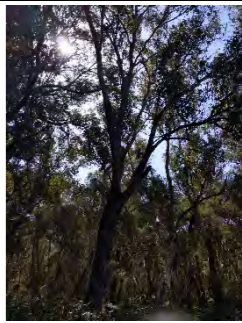
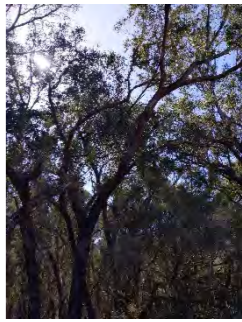



Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
380	427527	6222536	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	8	No					
381	427524	6222534	Dead Stag	>500	7	No					
382	427512	6222519	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	12	No					
383	427512	6222519	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	12	No					
384	427512	6222520	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	8	No					


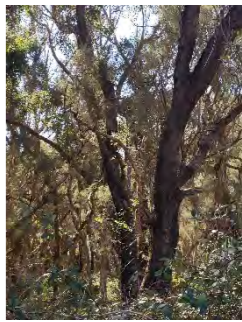
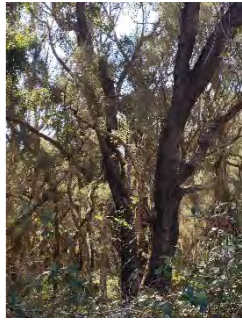
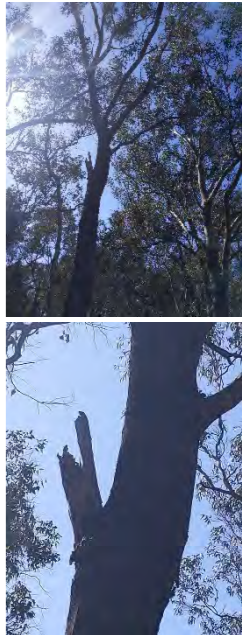
Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
385	427472	6222488	Dead Stag	>500	17	No					
386	427453	6222470	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	20	No					
387	427452	6222471	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	20	No					
388	427452	6222471	Dead Stag	>500	10	No					
389	427441	6222460	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	13	No					



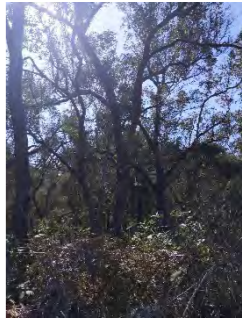


Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
390	427441	6222462	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	11	No					
391	427428	6222443	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	15	No					
392	427428	6222443	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	15	No					
393	427428	6222443	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	15	No					
394	427428	6222443	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	14	No					






Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
395	427428	6222443	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	14	No					
396	427428	6222443	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	14	No					
397	427428	6222443	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	14	No					
398	427428	6222443	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	14	No					
399	427405	6222411	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	12	No					

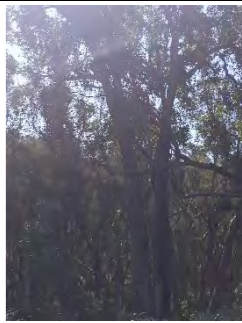




Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
400	427405	6222411	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	12	No					
401	427405	6222411	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	12	No					
402	427405	6222411	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	12	No					
403	427405	6222411	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	12	No					
404	427405	6222411	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	12	No					



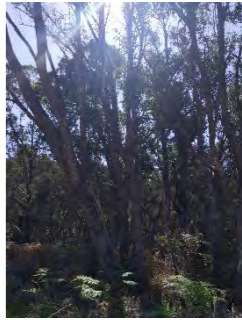
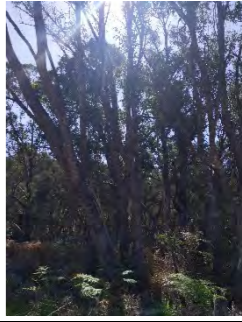
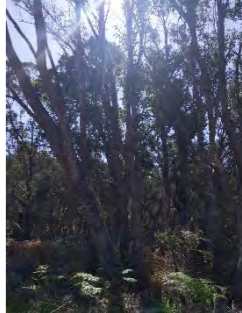
Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
405	427637	6222571	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	17	No					
406	427647	6222577	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	11	No					
407	427649	6222578	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	15	No					
408	427660	6222587	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	20	No					
409	427665	6222592	Marri (<i>Corymbia calophylla</i>)	>500	15	No					

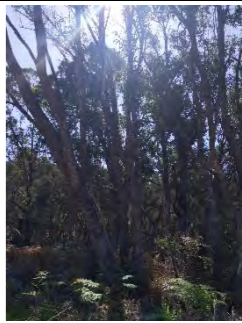
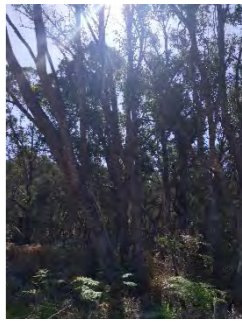



Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
410	427666	6222593	Marri (<i>Corymbia calophylla</i>)	>500	16	No					
411	427670	6222595	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	15	No					
412	427670	6222595	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	15	No					
413	427674	6222598	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	16	No	1	Possible medium (10-20 cm entrance)	5	Possible	



Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
414	427685	6222600	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	14	No					
415	427689	6222599	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	8	No					
416	427694	6222606	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	15	No					
417	427695	6222607	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	15	No					
418	427710	6222614	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	16	No					

Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
419	427723	6222623	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	9	No					
420	427723	6222623	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	17	No					
421	427732	6222629	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	12	No					
422	427732	6222629	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	12	No					
423	427732	6222629	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	13	No					

Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
424	427742	6222632	Marri (<i>Corymbia calophylla</i>)	>500	19	No					
425	427757	6222637	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	20	No					
426	427757	6222637	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	20	No					
427	427757	6222637	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	20	No					
428	427757	6222637	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	20	No					

Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
429	427757	6222637	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	20	No					
430	427757	6222637	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	20	No					
431	427765	6222639	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	10	No					
432	427765	6222639	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	10	No					
433	427765	6222639	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	10	No					

Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	
434	427765	6222639	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	10	No					
435	427765	6222639	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	10	No					
436	427765	6222638	Marri (<i>Corymbia calophylla</i>)	>500	14	No					
437	427775	6222643	Marri (<i>Corymbia calophylla</i>)	>500	18	No					
438	427786	6222644	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	10	No					

Tree No.	Easting (mE)	Northing (mN)	Tree species	DBH (mm)	Height (m)	Evidence of black cockatoo use	Number of hollows	Hollow size	Height of hollow in tree (m)	Overall suitability of hollow for black cockatoo use	Photograph
439	427788	6222645	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	11	No					
440	427792	6222646	Flooded Gum (<i>Eucalyptus rudis</i>)	>500	15	No					

This page has been left blank intentionally.