

Survey of thirty-four (34) nominated trees in the proposed Anketell Road Upgrade for their nesting value for black cockatoos.



Main Roads Western Australia

October 2024

1 INTRODUCTION

As one of Australia's leading Black Cockatoo specialists (ABCS), I am pleased are pleased to submit this report to the Department of Main Roads Western Australia (MRWA) regarding the assessment of thirty-four (34) trees for their suitability as Black Cockatoo nesting hollows. This survey is part of the Anketell Road widening and upgrade project, located in the Shire of Anketell.

MRWA required an experienced consultant to:

- Assess the nesting value of black cockatoo species in the trees listed in the Biota consolidated report for the
 Anketell Road Upgrade (Categories 1-6, 34 trees), and perform a cursory assessment of Category 7 trees (547
 trees) in the proposed project area.
- Conduct a close visual inspection using drones, pole cameras, telephoto lenses, and ladders for Category 1-6 trees.
- Produce a report detailing the suitability of these trees for Black Cockatoo nesting, for publication on the Main Roads website and submission to regulatory agencies.

2 BACKGROUND

MRWA is planning to upgrade and widen Anketell Road as part of the outer harbour transport corridor project. The road planning involves assessing the habitat value of trees along the route, particularly for the Black Cockatoo species.

Biota conducted preliminary biological surveys throughout 2023, which identified a total of 608 trees with suitable Diameter at Breast Height (DBH) that could potentially serve as Black Cockatoo nesting trees. Their findings included:

- 1 tree classified as Category 2 (with a potentially suitable hollow showing signs of use, though not confirmed).
- 10 trees classified as Category 3 (with suitable hollows but no signs of use).
- 4 trees in Category 4 (with marginally unsuitable hollows).
- 3 trees in Category 5 (with potential hollows but not fully confirmed due to access restrictions).
- 16 trees in Category 6 (with hollows confirmed as unsuitable for Black Cockatoos).
- **574 trees** in Category 7 (suitable DBH, but no present hollows).

The goal of this survey was to closely assess these trees, particularly those in Categories 1-6.

3 SURVEY OF NOMINATED HOLLOWS

Between 14 and 15 October 2024, ABCS conducted a thorough assessment of thirty-four (34) nominated trees by:

- Performing close visual inspections using a high-resolution 14m camera pole and telephoto lens.
- Capturing high-resolution photographs of each hollow's nesting activity and condition.
- Analysing the photos to assess each hollow's suitability for nesting.
- Recording details of any current usage by both target and non-target species.

All trees except two (#406 and #267) were successfully located using GPS coordinates, and their positions were verified against the MRWA Black Cockatoo Fauna Habitat Tree Register. The trees were located within 1-3 meters of the provided coordinates. ABCS was not granted access to survey Trees# 187, 188 and 270, therefore we are unable to confirm if any hollows in these trees are suitable for Black cockatoos.

For each tree, a minimum of three high-quality photographs were taken: one showing the tree's profile, one for each hollow entry, and one of the hollow's interior. These photographs are available upon request.

The survey confirmed that seven (7) trees (#186, #269, #275, #281, #459, #460, and #ALO2) contained hollows suitable for Black Cockatoo nesting. However, no signs of recent Black Cockatoo breeding were observed in any of the suitable hollows.

See Annexes B, C, and D for detailed analysis and high-resolution photographs of all surveyed trees and hollows. This includes tree profiles, hollow entries, and contents, along with annotations on each hollow's suitability and potential use.

4 ADDITIONAL FINDINGS

Tree #ALO2: This tree, which was not included in the original thirty-four, contained a suitable hollow for black cockatoos with cockatoo chipping, likely from Corella or Galah species.

Tree #281: A hollow in this tree contained four Little Corella nestlings, 5-6 weeks old. This hollow is suitable for black cockatoos

Forest Red-tailed Black Cockatoos: Four individuals were observed approximately 30 meters south of Anketell Road. A female was flushed from a shallow, burnt hollow in **Tree #AL01**, which was deemed unsuitable for black cockatoo breeding. The female's behaviour suggests prospecting, a common occurrence even in unsuitably shallow hollows.

Tree #551: A brush-tailed possum was photographed inside a hollow, which was found to be too narrow for Black Cockatoo use.

Duck Eggs: Eggs and down were found in the hollows of **Trees #186, #269, and #459**, indicating that these hollows are of suitable size for Black Cockatoo breeding.

Southern Brown Bandicoot (Quenda): One was observed on the pathway near Tree#155.

5 RECOMMENDATIONS

- Several large, old trees, particularly **Tree #273** with a DBH of 1920mm, are of significant ecological value and should be preserved if possible. These trees provide important potential habitat for Black Cockatoos and other wildlife, and their preservation would be beneficial for maintaining biodiversity in the area.
- If clearing occurs during the breeding season, all suitable hollows should be inspected on the day of clearing to ensure that they are not in use by Black Cockatoos.
- Spotters should be present during any clearing activities, particularly in the western end of the project area where Southern Brown Bandicoots were observed. These spotters should be tasked with monitoring wildlife and assisting with relocation if necessary.

Rick Dawson Director

Australian Black Cockatoo Specialist

25 October 2024

Attachments

Annex A.	Details of Tree Survey
Annex B	Detailed analysis and high-resolution photographs from Tree#187 to Tree #267
Annex C	Detailed analysis and high-resolution photographs from Tree#282 to Tree #596
Annex D	Detailed analysis and high-resolution photographs from Tree#573 to Tree #ALO2

Annex A – **Details of Tree Survey**

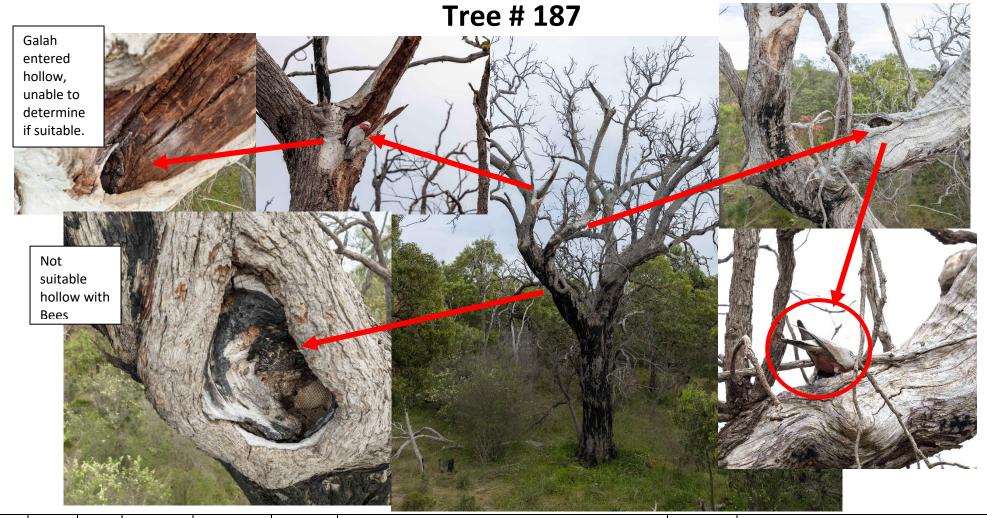
No	Tree	DBH mm	Latitude	Longitude	Previously assessed Hollows	Previous Survey details	Suitable	ABCS Survey
						4 Suitable DBH Tree with a marginally		
						unsuitable hollow with no signs of use		Unable to get access to land. Drone photos not
107	lorrob	1150	-	115 050000	1	(confirmed) Hollows could not be assessed -	Unknown	conclusive. Galah's prospecting in the upper
187	Jarrah	1150	32.210643	115.856322	1	bees. 3 Suitable DBH Tree with a suitable hollow	Unknown	and middle hollows. Bees in lower hollow.
						with no signs of use (confirmed). Suitable		Unable to get access to land. Unable to get
270	Jarrah	710	-32.21043	115.856153	1	nesting tree. Confirmed with camera.	Unknown	Drone close enough.
270	Janan	710	02.210-0	110.000100	-	nooting troe. Committee With Carriera.	Omenown	Dione dead and agri.
						6 Suitable DBH Tree with unsuitable hollows		
			-			(confirmed). Potential nesting tree. Tree ID 71.		
263	Jarrah	1390	32.209988	115.848366	2	Orientation unsuitable.	NO	No suitable black cockatoo hollows. Burnt
								Fragile dead stag. Top hollows to small, Middle
								hollow duck eggs, suitable size for black
						3 Suitable DBH Tree with a suitable hollow		cockatoos, lower hollow some duck down
400		040	-	445.045.000		with no signs of use (confirmed). Suitable	\/F0	however too shallow. No sign of black cockatoo
186	Jarrah	610	32.208148	115.845029	3	nesting tree. Confirmed with camera.	YES	use.
						6 Suitable DBH Tree with unsuitable hollows		No quitable block applicates ballous I laner
599	Tuart	1750	- 32.212449	115.829895	2	(confirmed). Potential nesting tree. Tree ID 272. Not suitable for egress.	NO	No suitable black cockatoo hollows. Upper hollows bees, lower hollow too small. Quenda
399	Tuart	1/30	32.212449	115.629695		3 Suitable DBH Tree with a suitable hollow	INO	Hottows bees, tower Hottow too smatt. Quenua
						with no signs of use (confirmed). Suitable		Dead stag, one hollow that joins other, one
275	Euc	1270	-32.21249	115.829911	1	nesting tree. Confirmed with camera.	YES	suitable size for black cockatoos
2,0	Luo	12/0	02.21240	110.020011	_	4 Suitable DBH Tree with a marginally	120	Carragio di Lo foi Madic Godinato
						unsuitable hollow with no signs of use		
			-			(confirmed) Hollows could not be assessed -		No suitable black cockatoo hollows. Side split in
462	Tuart	860	32.210829	115.829696	1	bees.	NO	main hollow. Bees in lower hollow
						6 Suitable DBH Tree with unsuitable hollows		
			-			(confirmed). Potential nesting tree. Confirmed		No suitable black cockatoo hollows. Burnt base
584	Tuart	1290	32.211533	115.824859	0	with camera.	NO	of tree

273	Tuart	1920	- 32.211414	115.822851	1	2 Suitable DBH Tree with a potential suitably hollow with signs of use (not confirmed). Suitable nesting tree. Feathers presence but of unknown species.	NO	It is burnt, they do not use. It is open and provides no protection .No chewing observed. The hollow at the base is very small – see comparison to Owl scat size. Barn Owl flushed when camera pole used. NO SUITABLE BLACK COCKATOO HOLLOWS.
406	Tuart	620	-32.21132	115.822839	0	6 Suitable DBH Tree with unsuitable hollows (confirmed). Potential nesting tree.	Unknown	Can not locate tree from Lat/Long provided
261	Jarrah	1310	- 32.211365	115.822598	0	6 Suitable DBH Tree with unsuitable hollows (confirmed). Potential nesting tree. Confirmed with camera.	NO	No suitable black cockatoo hollows. SEE GOPRO
267	Jarrah	1640	- 32.211315	115.81893	0	5 Suitable DBH Tree with a potential suitable hollow with no signs of use (not confirmed). Potential nesting tree.	Unknown	Can not locate tree from Lat/Long provided
282	Jarrah	1300	- 32.211317	115.81861	1	3 Suitable DBH Tree with a suitable hollow with no signs of use (confirmed). Suitable nesting tree. Confirmed with camera.	NO	No suitable black cockatoo hollows. Burnt out base
185	Jarrah	690	- 32.211404	115.818494	1	3 Suitable DBH Tree with a suitable hollow with no signs of use (confirmed). Suitable nesting tree. Confirmed with camera.	NO	No suitable black cockatoo hollows. Burnt dead stag
460	Jarrah	1210	- 32.211357	115.81604	1	3 Suitable DBH Tree with a suitable hollow with no signs of use (confirmed). Suitable nesting tree. Confirmed with camera.	YES	Middle hollow suitable size black cockatoo hollow, suspect all join together.
459	Tuart	1230	- 32.211406	115.813232	1	3 Suitable DBH Tree with a suitable hollow with no signs of use (confirmed). Suitable nesting tree. Confirmed with camera.	YES	Upper hollow Suitable for black cockatoos, small amount of duck down.
281	Tuart	1160	32.211232	115.81277	2	3 Suitable DBH Tree with a suitable hollow with no signs of use (confirmed). Suitable nesting tree. Confirmed with camera.	YES	Little Corella flushed from upper hollow. Brooding four nestlings, Suitable black cockatoo hollow
183	Tuart	970	- 32.211409	115.812522	1	6 Suitable DBH Tree with unsuitable hollows (confirmed). Suitable nesting tree. Confirmed with camera.	NO	No suitable black cockatoo hollows. Both hollow small with uneven floors and open to the floor
184	Tuart	1420	- 32.210965	115.808299	1	6 Suitable DBH Tree with unsuitable hollows (confirmed). Suitable nesting tree. Confirmed with camera.	NO	No suitable black cockatoo hollows. Hollow full of wood shards

						3 Suitable DBH Tree with a suitable hollow		
						with no signs of use (confirmed). Second		No suitable black cockatoo hollows. Both
			-			hollow suitable. Hollow could not be assessed		hollows unsuitable, too small, shallow and open
461	Tuart	1280	32.211066	115.807828	2	- bees. Checked with camera.	NO	the elements. Bees in lower hollow.
						3 Suitable DBH Tree with a suitable hollow		
						with no signs of use (confirmed). Suitable		Duck eggs and down. One suitable black
269	Euc	960	-32.21116	115.806322	1	nesting tree. Confirmed with camera.	YES	cockatoo hollow.
			-			6 Suitable DBH Tree with unsuitable hollows		
222	Jarrah	830	32.210662	115.80611	0	(confirmed). Potential nesting tree.	NO	No suitable black cockatoo hollows.
						4 Suitable DBH Tree with a marginally		No access to area. From the size (DBH of 710) of
						unsuitable hollow with no signs of use	Unlikely	the tree and hollow entries(burnt) viewed by
			-			(confirmed) Hollows could not be assessed -	Offlikely	500m lens camera it is unlikely to have suitable
188	Jarrah	710	32.210111	115.806566	1	bees.		black cockatoo hollows.
						6 Suitable DBH Tree with unsuitable hollows		
			-			(confirmed). Potential nesting tree. Tree ID		No suitable black cockatoo hollows. All hollows
596	Tuart	1450	32.208764	115.798986	2	184. Too small for entry.	NO	very small
								Largest hollow suitable diameter, however,
						5 Suitable DBH Tree with a potential suitable		sides splitting open and unsuitable for suitable
						hollow with no signs of use (not confirmed).		black cockatoo hollows. Upper hollow large
			-			Potential nesting tree. Tree ID 191. One of		entry with chewing however very shallow and
573	Tuart	1150	32.207868	115.796791	3	three hollows looked suitable.	NO	unsuitable.
						6 Suitable DBH Tree with unsuitable hollows		
			-			(confirmed). Potential nesting tree. Tree ID		No suitable black cockatoo hollows all too
574	Tuart	1150	32.208589	115.796259	1	190. Too small for entry.	NO	small.
								No suitable black cockatoo hollows. All hollows
						5 Suitable DBH Tree with a potential suitable		very small. Possum hollow is small and narrow
			-			hollow with no signs of use (not confirmed).		at base and unsuitable for black cockatoos Bees
551	Tuart	940	32.207979	115.795018	1	Potential nesting tree. Tree ID 186	NO	in lower hollow.
								Very large dead stag No suitable black
								cockatoo hollows Largest hollow on northside is
						6 Suitable DBH Tree with unsuitable hollows		the right size diameter however very shallow and
	_		-		_	(confirmed). Potential nesting tree. Tree ID		not suitable. All other hollows very small,
285	Euc	1210	32.208484	115.794699	3	179. Stag	NO	shallow and uneven floor.

						6 Suitable DBH Tree with unsuitable hollows		
			-			(confirmed). Potential nesting tree. Tree ID		Large dead stag. No suitable black cockatoo
265	Jarrah	1480	32.208285	115.790682	2	161. Confirmed with camera.	NO	hollows. All hollow small, shallow and burnt out.
						6 Suitable DBH Tree with unsuitable hollows		
			-			(confirmed). Potential nesting tree. Tree ID		Large dead stag. No suitable black cockatoo
155	Jarrah	600	32.207811	115.790166	1	160. Confirmed with camera.	NO	hollows. Quenda on path near tree.
						6 Suitable DBH Tree with unsuitable hollows		
						(confirmed). Potential nesting tree. Tree ID		No suitable black cockatoo hollows. Very small
223	Jarrah	830	-32.20767	115.788935	3	163. Confirmed with camera.	NO	and shallow unsuitable hollow.
						4 Suitable DBH Tree with a marginally		
						unsuitable hollow with no signs of use		
			-			(confirmed) Hollows could not be assessed -		No suitable black cockatoo hollows. All hollows
271	Jarrah	1030	32.207481	115.78863	3	bees. Tree ID 117.	NO	very small
						6 Suitable DBH Tree with unsuitable hollows		
						(confirmed). Potential nesting tree. Tree ID		On large entry hollow, however floor not even
238	Jarrah	930	-32.20833	115.788147	1	162. Confirmed with camera.	NO	and unsuitable for black cockatoos.
						6 Suitable DBH Tree with unsuitable hollows		
			-			(confirmed). Hollow is present but small, too		
29	Tuart	112	32.205161	115.783845	0	small for black cockatoo use.	NO	No suitable black cockatoo hollows.
								Female Forest Redtail flushed from upper
								hollow, no signs of chipping, hollow uneven,
			-					hole inside and burnt, not a suitable hollow.
AL01	Jarrah	N/A	32.211872	115.825051	1	N/A	NO	Believe she was only prospecting.
			-					Chipping on entry most like Corella or Galah.
AL02	Tuart	1001	32.211345	115.813448	1	N/A	YES	One suitable black cockatoo hollow.

Annex B – Photographs of hollow in Nominated Trees

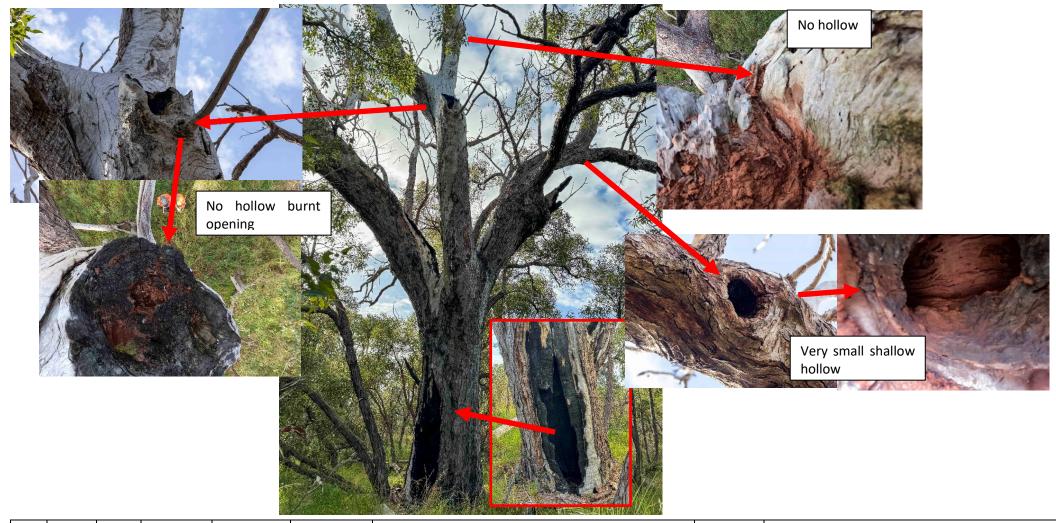


No	Tree	DBH mm	Latitude	Longitude	No Hollows	Previous Survey details	Suitable	ABCS Survey
187	Jarrah	1150	- 32.21064	115.85632		4 Suitable DBH Tree with a marginally unsuitable hollow with no signs of use (confirmed) Hollows could not be assessed - bees.		Unable to get access to land. Drone photos not conclusive. Galah's prospecting in the upper and middle hollows. Bees in lower hollow.



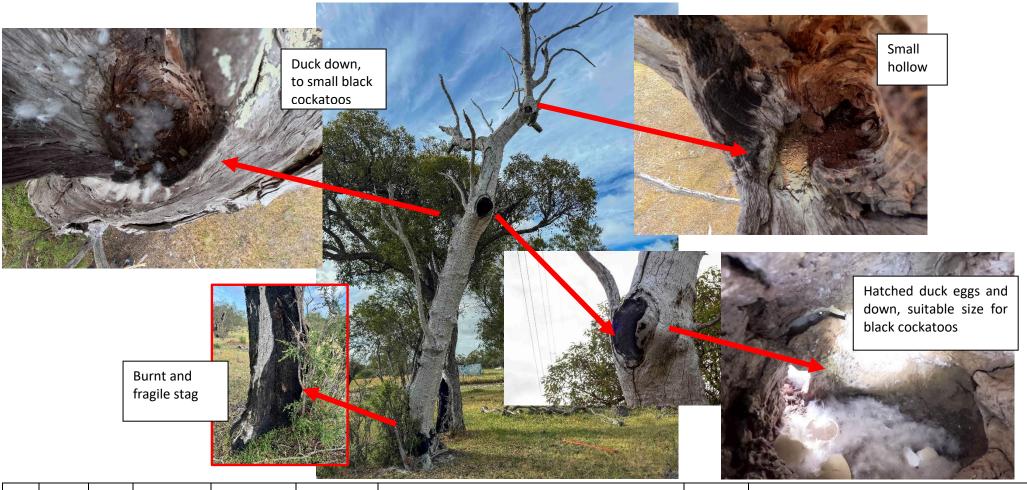
No	Tree	DBH mm	Latitude	Longitude	Previously assessed Hollows	Previous Survey details	Suitable	ABCS Survey
270	Jarrah	710	- 32.21043	115.85615	1	3 Suitable DBH Tree with a suitable hollow with no signs of use (confirmed). Suitable nesting tree. Confirmed with camera.	Unknown	Unable to get access to land. Unable to get Drone close enough.

Tree # 263



No	Tree	DBH mm	Latitude	Longitude	Previously assessed Hollows	Previous Survey details	Suitable	ABCS Survey
263	Jarrah	1390	- 32.20999	115.84837	2	6 Suitable DBH Tree with unsuitable hollows (confirmed). Potential nesting tree. Tree ID 71. Orientation unsuitable.	NO	No suitable black cockatoo hollows. Base of tree badly Burnt

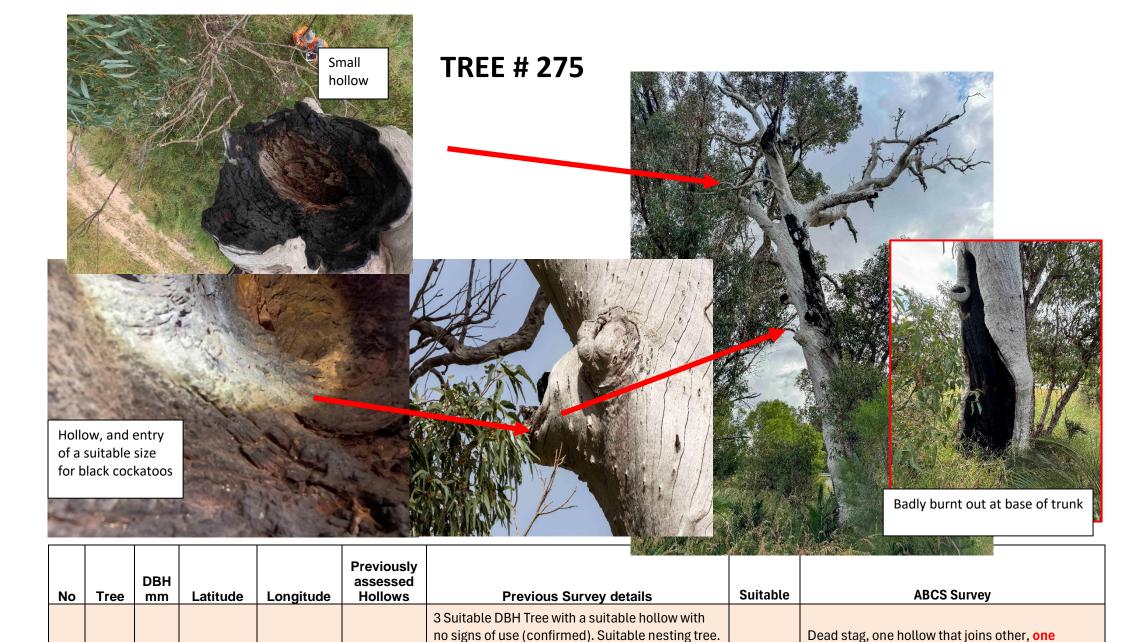
Tree # 186



N	Tree	DBH mm	Latitude	Longitude	Previously assessed Hollows	Previous Survey details	Suitable	ABCS Survey
								Fragile dead stag. Top hollows to small, Middle
								hollow duck eggs, suitable size for black
						3 Suitable DBH Tree with a suitable hollow with no		cockatoos, lower hollow some duck down
			-			signs of use (confirmed). Suitable nesting tree.		however too shallow. No sign of black cockatoo
18	3 Jarrah	610	32.208148	115.845029	3	Confirmed with camera.	YES	use.



No	Tree	DBH mm	Latitude	Longitude	Previously assessed Hollows	Previous Survey details	Suitable	ABCS Survey
						6 Suitable DBH Tree with unsuitable hollows		
			-			(confirmed). Potential nesting tree. Tree ID 272.		No suitable black cockatoo hollows. Upper very
599	Tuart	1750	32.212449	115.829895	2	Not suitable for egress.	NO	small hollows bees, lower hollow too small



YES

suitable size for black cockatoos

275 Euc

1270

-32.21249 115.829911

1

Confirmed with camera.



No	Tree	DBH mm	Latitude	Longitude	Previously assessed Hollows	Previous Survey details	Suitable	ABCS Survey
						4 Suitable DBH Tree with a marginally unsuitable		
			-			hollow with no signs of use (confirmed) Hollows		No suitable black cockatoo hollows. Side split in
462	Tuart	860	32.210829	115.829696	1	could not be assessed - bees.	NO	main hollow. Bees in lower hollow

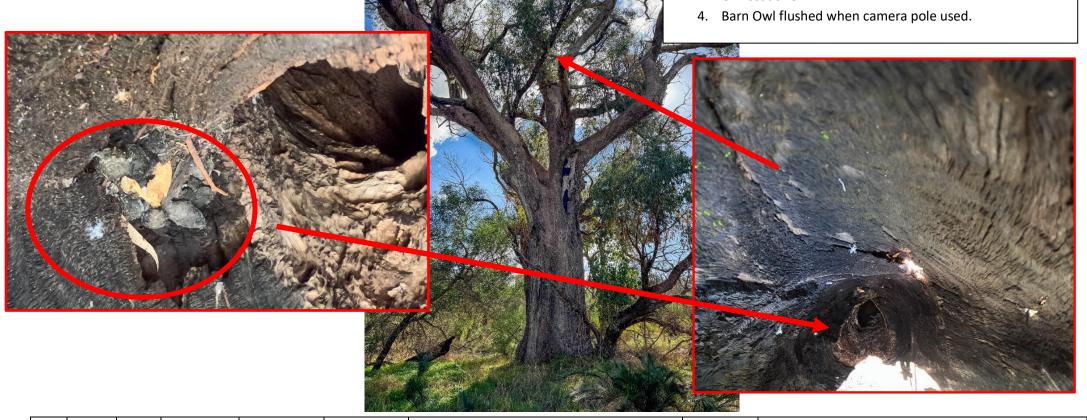


No	Tree	DBH mm	Latitude	Longitude	Previously assessed Hollows	Previous Survey details	Suitable	ABCS Survey
						6 Suitable DBH Tree with unsuitable hollows		
			-			(confirmed). Potential nesting tree. Confirmed		No suitable black cockatoo hollows. Burnt base
584	Tuart	1290	32.211533	115.824859	0	with camera.	NO	of tree



This is not a black Cockatoo hollow

- 1. It is burnt, they do not use.
- 2. It is open and provides no protection
- 3. The hollow at the base is very small see comparison to Owl scat size

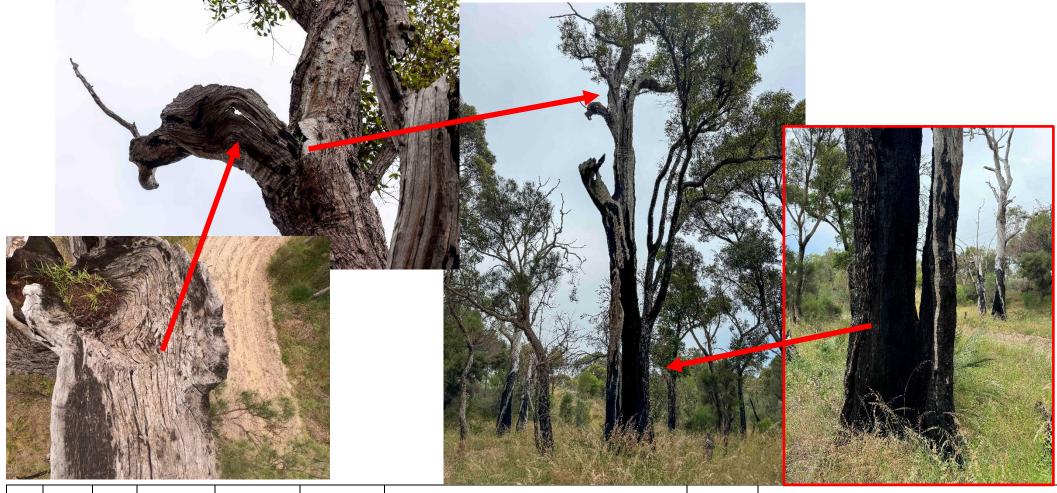


No	Tree	DBH mm	Latitude	Longitude	Previously assessed Hollows	Previous Survey details	Suitable	ABCS Survey
								It is burnt, they do not use. It is open and provides no
						2 Suitable DBH Tree with a potential suitably		protection. The hollow at the base is very small – see
						hollow with signs of use (not confirmed).		comparison to Owl scat size. Barn Owl flushed when
			-			Suitable nesting tree. Feathers presence but		camera pole used. NO SUITABLE BLACK COCKATOO
273	Tuart	1920	32.211414	115.822851	1	of unknown species.	NO	HOLLOWS.

Can not locate tree

No	Tree	DBH mm	Latitude	Longitude	Previously assessed Hollows	Previous Survey details	Suitable	ABCS Survey
						6 Suitable DBH Tree with unsuitable hollows		
406	Tuart	620	-32.21132	115.822839	0	(confirmed). Potential nesting tree.	Unknown	Can not locate tree from Lat/Long provided

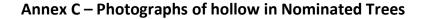
Tree # 261



No	Tree	DBH mm	Latitude	Longitude	Previously assessed Hollows	Previous Survey details	Suitable	ABCS Survey
	Jarra		-			6 Suitable DBH Tree with unsuitable hollows (confirmed). Potential nesting tree. Confirmed		No suitable black cockatoo hollows. Tree badly
261	h	1310	32.211365	115.822598	0	with camera.	NO	burnt at base

Can not locate tree

No	Tree	DBH mm	Latitude	Longitude	Previously assessed Hollows	Previous Survey details	Suitable	ABCS Survey
						5 Suitable DBH Tree with a potential suitable hollow with no signs of use (not confirmed).		
267	Jarrah	1640	-32.211315	115.81893	0	Potential nesting tree.	Unknown	Can not locate tree from Lat/Long provided



DBH

mm

Latitude

282 | Jarrah | 1300 | 32.211317 | 115.81861

No

Tree



Previous Survey details

Confirmed with camera.



No

Hollows

1

Longitude

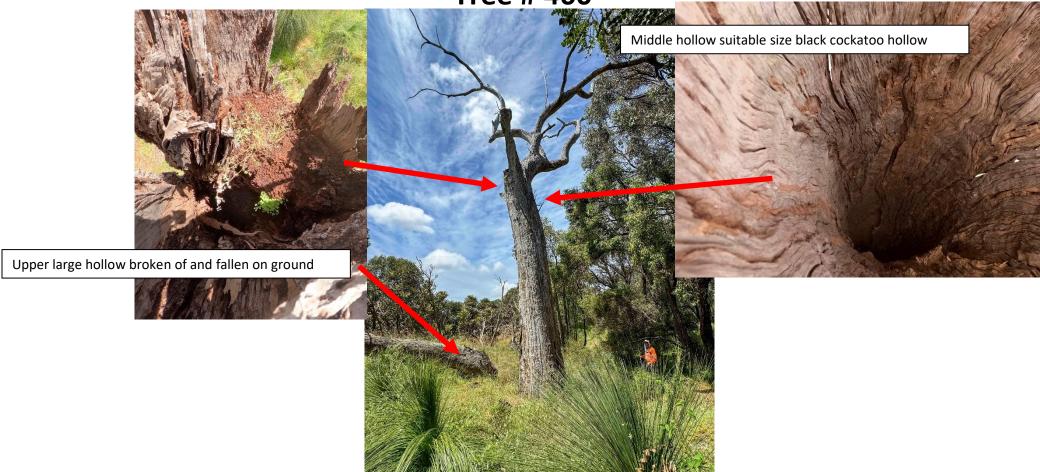




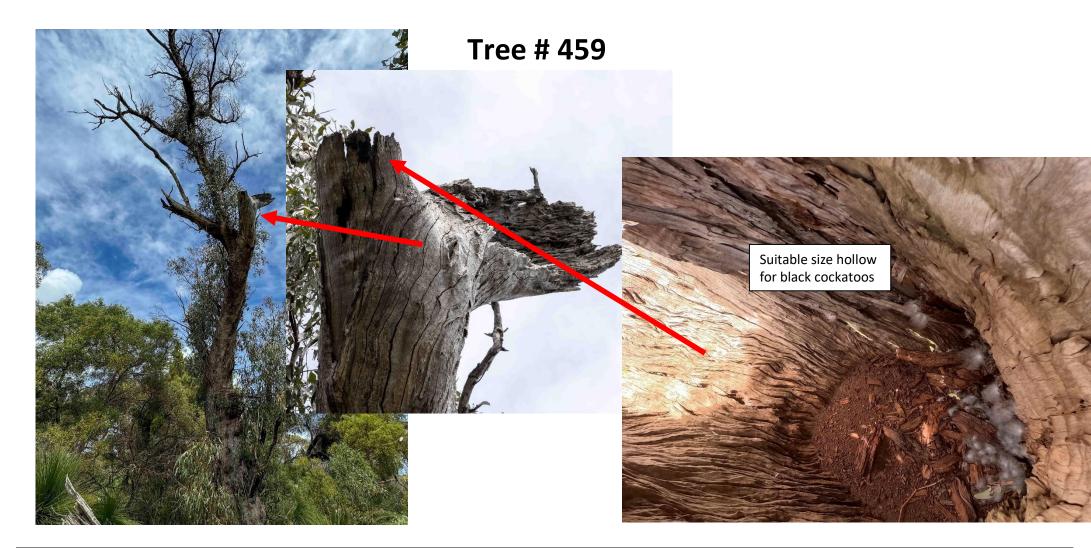
Tree # 185



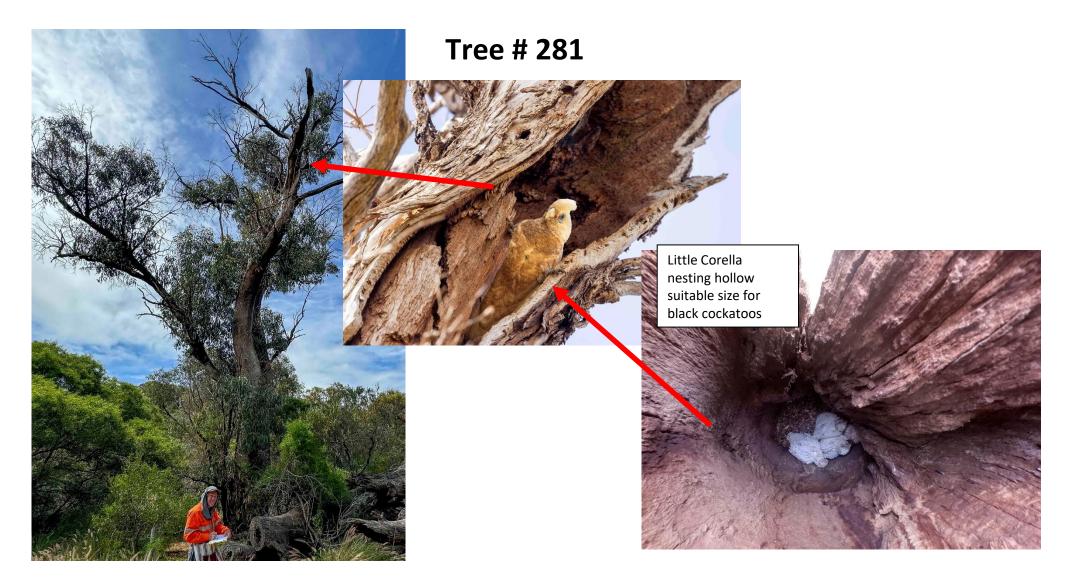
No	Troo	DBH	Lotitudo	Langituda	No	Drovious Survey details	Suitable	ABCS Survey
No	Tree	mm	Latitude	Longitude	Hollows	Previous Survey details	Sultable	ADOS Survey
						3 Suitable DBH Tree with a suitable hollow with no		
			-			signs of use (confirmed). Suitable nesting tree.		No suitable black cockatoo hollows. Burnt dead
185	Jarrah	690	32.211404	115.818494	1	Confirmed with camera.	NO	stag



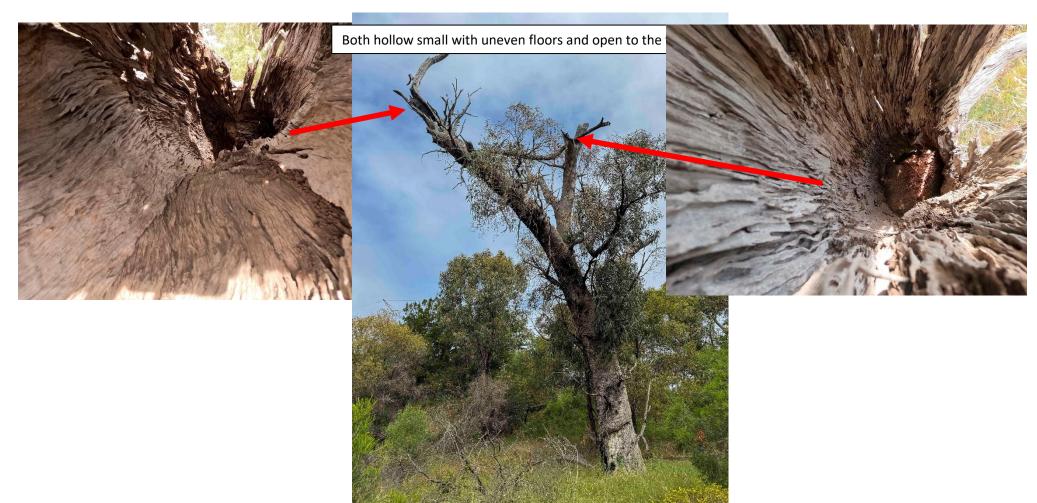
		DBH			No			
No	Tree	mm	Latitude	Longitude	Hollows	Previous Survey details	Suitable	ABCS Survey
						3 Suitable DBH Tree with a suitable hollow with no		
			-			signs of use (confirmed). Suitable nesting tree.		Middle hollow suitable size black cockatoo
460	Jarrah	1210	32.211357	115.81604	1	Confirmed with camera.	YES	hollow, suspect all join together.



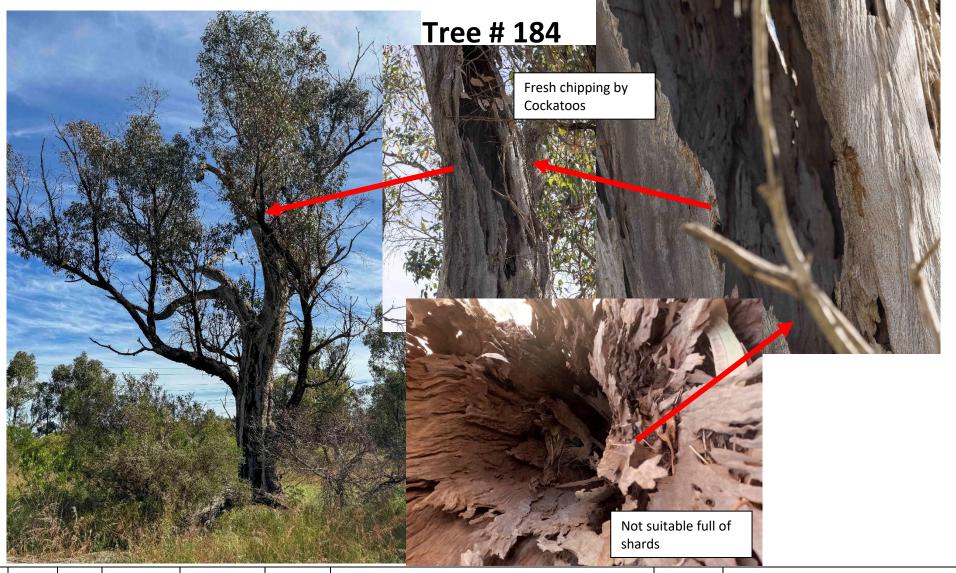
No	Tree	DBH mm	Latitude	Longitude	No Hollows	Previous Survey details	Suitable	ABCS Survey
459	Tuart	1230	- 32.211406	115.813232	1	3 Suitable DBH Tree with a suitable hollow with no signs of use (confirmed). Suitable nesting tree. Confirmed with camera.	YES	Upper hollow Suitable size for black cockatoos, small amount of duck down



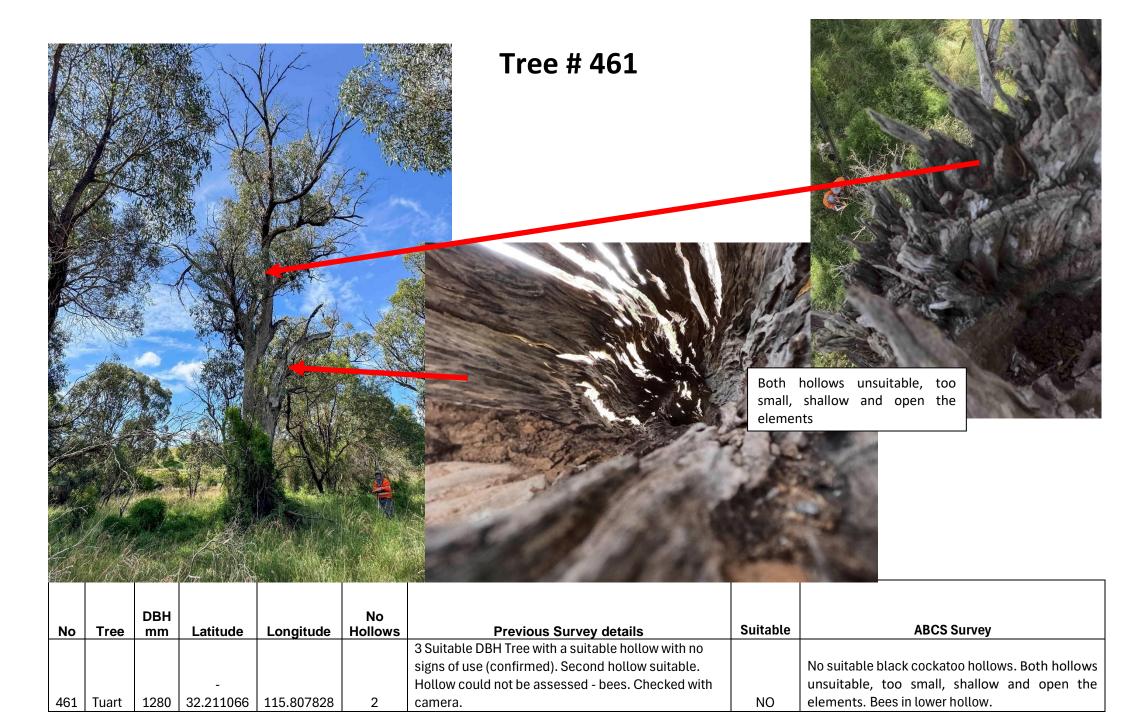
No	Tree	DBH mm	Latitude	Longitude	No Hollows	Previous Survey details	Suitable	ABCS Survey
						3 Suitable DBH Tree with a suitable hollow with no		
			-			signs of use (confirmed). Suitable nesting tree.		Little Corella flushed from upper hollow. Brooding
281	Tuart	1160	32.211232	115.81277	2	Confirmed with camera.	YES	four nestlings, Suitable black cockatoo hollow

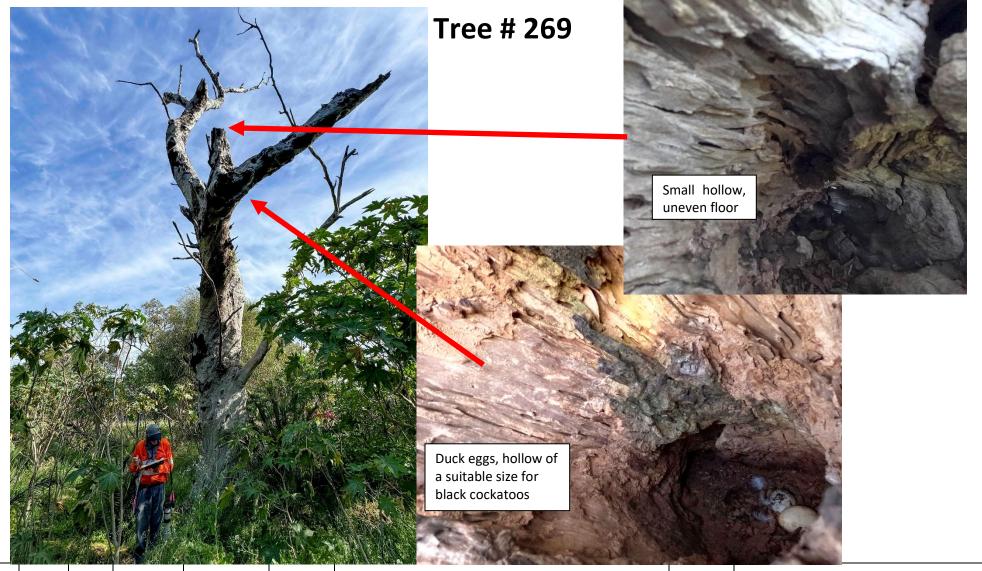


No	Tree	DBH mm	Latitude	Longitude	No Hollows	Previous Survey details	Suitable	ABCS Survey
140	1166	111111	Latitude	Longitude	HOHOWS	Fievious Sulvey details	Janabic	ABOU DUIVEY
						6 Suitable DBH Tree with unsuitable hollows		
			-			(confirmed). Suitable nesting tree. Confirmed with		No suitable black cockatoo hollows. Both hollow
183	Tuart	970	32.211409	115.812522	1	camera.	NO	small with uneven floors and open to the floor

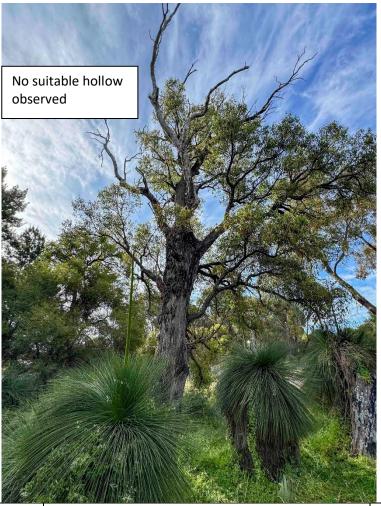


No	Tree	DBH	Latitude	Longitude	No Hollows	Previous Survey details	Suitable	ABCS Survey
INO	rree	mm	Latitude	Longitude	HOHOWS	Previous Survey details	Juliable	ADOS Survey
						6 Suitable DBH Tree with unsuitable hollows		
			-			(confirmed). Suitable nesting tree. Confirmed with		No suitable black cockatoo hollows. Hollow full of
184	Tuart	1420	32.210965	115.808299	1	camera.	NO	wood shards





No	Tree	DBH mm	Latitude	Longitude	No Hollows	Previous Survey details	Suitable	ABCS Survey
						3 Suitable DBH Tree with a suitable hollow with no		
			-			signs of use (confirmed). Suitable nesting tree.		Duck eggs and down. One suitable black
269	Euc	960	32.21116	115.806322	1	Confirmed with camera.	NO	cockatoo hollow only.



No	Tree	DBH mm	Latitude	Longitude	No Hollows	Previous Survey details	Suitable	ABCS Survey
NO	Hee	1111111	Latitude	Longitude	HOHOWS	Frevious Survey details	Juitable	ADOS SULVEY
			-			6 Suitable DBH Tree with unsuitable hollows		
222	Jarrah	830	32.210662	115.80611	0	(confirmed). Potential nesting tree.	NO	No suitable black cockatoo hollows.

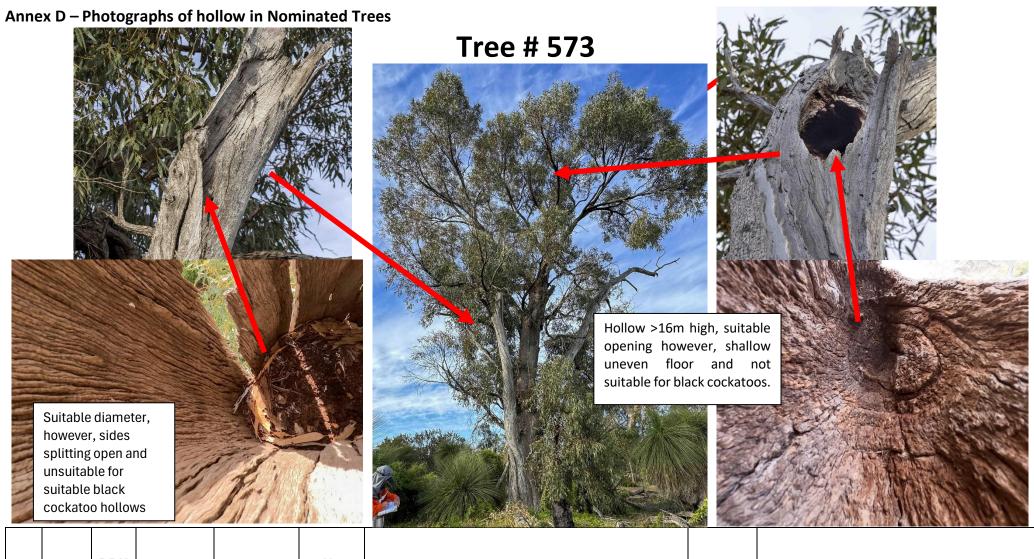




		DBH			No			
No	Tree	mm nbu	Latitude	Longitude	Hollows	Previous Survey details	Suitable	ABCS Survey
								No access to area. From the size (DBH of 710) of
						4 Suitable DBH Tree with a marginally unsuitable		the tree and hollow entries(burnt) viewed by
			-			hollow with no signs of use (confirmed) Hollows		500m lens camera it is unlikely to have suitable
188	Jarrah	710	32.210111	115.806566	1	could not be assessed - bees.	Unlikely	black cockatoo hollows.



No	Troo	DBH	l otitudo	Langituda	No	Dravieva Survey detaile	Suitable	ABCS Survey
No	Tree	mm	Latitude	Longitude	Hollows	Previous Survey details	Sultable	ADO3 Survey
						6 Suitable DBH Tree with unsuitable hollows		
			-			(confirmed). Potential nesting tree. Tree ID 184. Too		No suitable black cockatoo hollows. All hollows
596	Tuart	1450	32.208764	115.798986	2	small for entry.	NO	very small



No	Tree	DBH mm	Latitude	Longitude	No Hollows	Previous Survey details	Suitable	ABCS Survey
				-		5 Suitable DBH Tree with a potential suitable hollow		Largest hollow suitable diameter, however, sides
						with no signs of use (not confirmed). Potential		splitting open and unsuitable for suitable black
			-			nesting tree. Tree ID 191. One of three hollows		cockatoo hollows. Upper hollow large entry with
573	Tuart	1150	32.207868	115.796791	3	looked suitable.	NO	chewing however very shallow and unsuitable.





No	Tree	DBH mm	Latitude	Longitude	No Hollows	Previous Survey details	Suitable	ABCS Survey
			-			6 Suitable DBH Tree with unsuitable hollows (confirmed). Potential nesting tree. Tree ID 190. Too		
574	Tuart	1150	32.208589	115.796259	1	small for entry.	NO	No suitable black cockatoo hollows all too small.

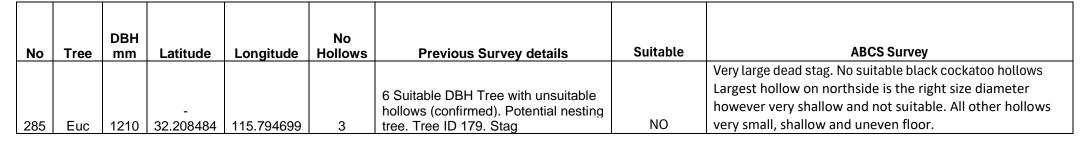
Tree # 551



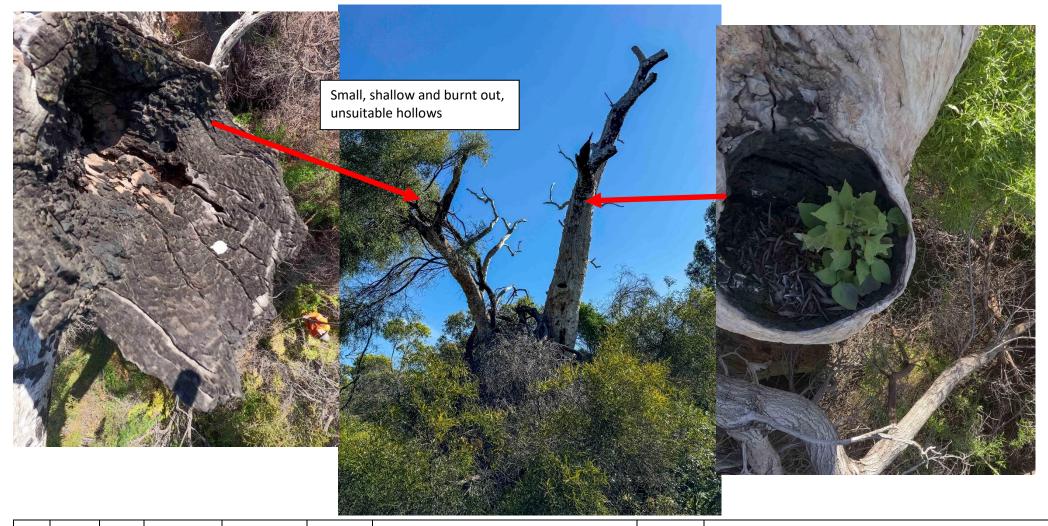
		DBH			No			
No	Tree	mm	Latitude	Longitude	Hollows	Previous Survey details	Suitable	ABCS Survey
								No suitable black cockatoo hollows. All hollows
						5 Suitable DBH Tree with a potential suitable hollow		very small. Possum hollow is small and narrow
			-			with no signs of use (not confirmed). Potential		at base and unsuitable for black cockatoos Bees
551	Tuart	940	32.207979	115.795018	1	nesting tree. Tree ID 186	NO	in lower hollow.







Tree # 265



N.	Table	DBH	l attuda	Lamattuda	No	Describera Company detaile	Suitable	ABCS Survey
No	Tree	mm	Latitude	Longitude	Hollows	Previous Survey details	Sultable	ADC3 Survey
						6 Suitable DBH Tree with unsuitable		
			-			hollows (confirmed). Potential nesting		Large dead stag. No suitable black cockatoo hollows. All
265	Jarrah	1480	32.208285	115.790682	2	tree. Tree ID 161. Confirmed with camera.	NO	hollows small, shallow and burnt out.



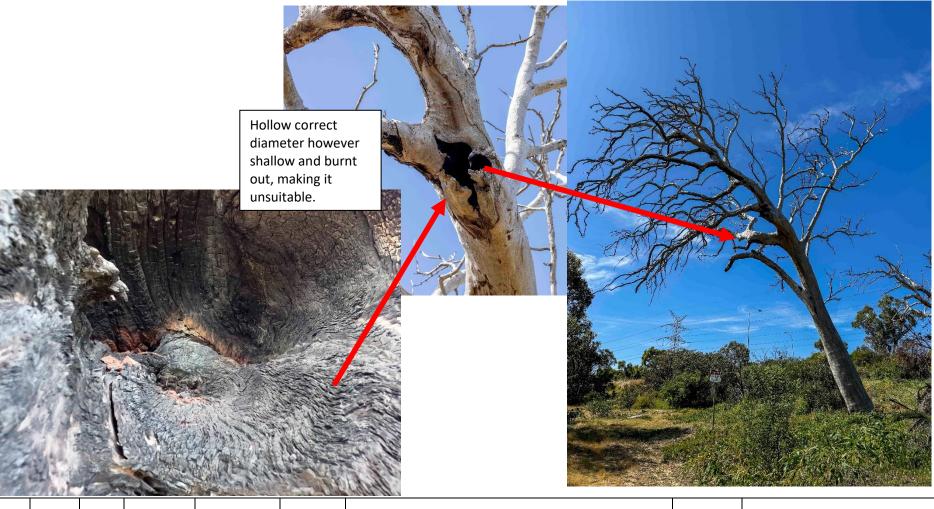
		T	DBH	Latterla		No	Donatana Camana Intella	Suitable	ARCS Survey
L	No	Tree	mm	Latitude	Longitude	Hollows	Previous Survey details	Suitable	ABCS Survey
							6 Suitable DBH Tree with unsuitable hollows		
				-			(confirmed). Potential nesting tree. Tree ID 160.		Large dead stag. Very small unsuitable black
	155	Jarrah	600	32.207811	115.790166	1	Confirmed with camera.	NO	cockatoo hollows. Quenda on path near tree.



No	Tree	DBH mm	Latitude	Longitude	No Hollows	Previous Survey details	Suitable	ABCS Survey
						6 Suitable DBH Tree with unsuitable hollows		No quitable block applicates ballows. Vons small
223	Jarrah	830	- 32.20767	115.788935	3	(confirmed). Potential nesting tree. Tree ID 163. Confirmed with camera.	NO	No suitable black cockatoo hollows. Very small and shallow unsuitable hollow.

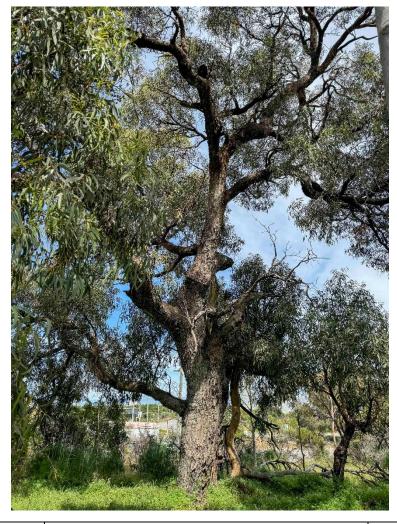


No	Tree	DBH mm	Latitude	Longitude	No Hollows	Previous Survey details	Suitable	ABCS Survey
110	1100		Latitude	Longitude	110110113	1 Tevious our vey details	0 0.110.0010	,
						4 Suitable DBH Tree with a marginally unsuitable		
			-			hollow with no signs of use (confirmed) Hollows		No suitable black cockatoo hollows. All hollows
271	Jarrah	1030	32.207481	115.78863	3	could not be assessed - bees. Tree ID 117.	NO	very small.

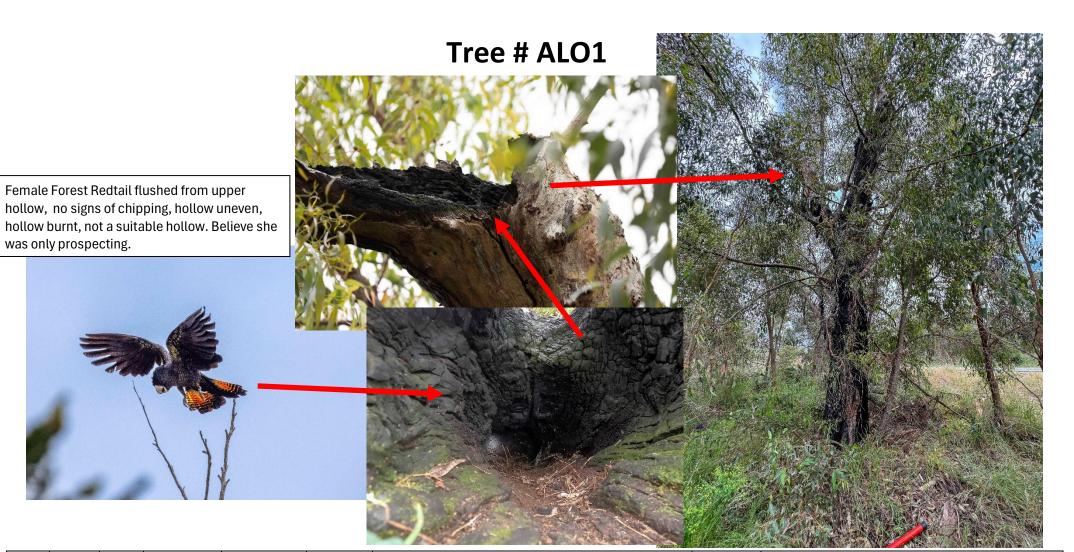


No	Troo	DBH	Latituda	Longitudo	No	Provious Survey details	Suitable	ABCS Survey
NO	Tree	mm	Latitude	Longitude	Hollows	Previous Survey details	Juliable	ADOS Survey
						6 Suitable DBH Tree with unsuitable hollows		
			-			(confirmed). Potential nesting tree. Tree ID 162.		One large entry hollow, however floor not even,
238	Jarrah	930	32.20833	115.788147	1	Confirmed with camera.	NO	burnt and unsuitable for black cockatoos.

Tree # 29

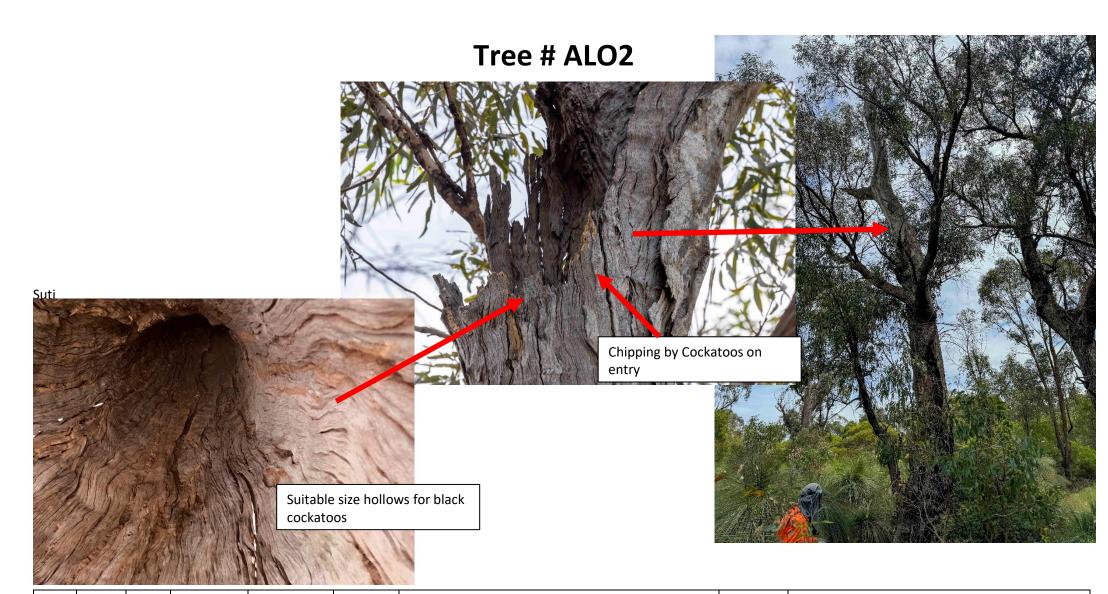


No	Tree	DBH mm	Latitude	Longitude	No Hollows	Previous Survey details	Suitable	ABCS Survey
29	Tuart	112	- 32.205161	115.783845	0	6 Suitable DBH Tree with unsuitable hollows (confirmed). Hollow is present but small, too small for black cockatoo use.	NO	No suitable black cockatoo hollows detected.



			DBH			No			
	No	Tree	mm	Latitude	Longitude	Hollows	Previous Survey details	Suitable	ABCS Survey
									Female Forest Redtail flushed from upper hollow,
									no signs of chipping, hollow uneven, hollow
				-					burnt, not a suitable hollow. Believe she was only
Α	L01	Jarrah	N/A	32.211872	115.825051	1	New tree no information provided	NO	prospecting.

was only prospecting.



		DBH			No			
No	Tree	mm	Latitude	Longitude	Hollows	Previous Survey details	Suitable	ABCS Survey
			-					Chipping on entry most like Corella or Galah.
AL02	Tuart	1001	32.211345	115.813448	1	N/A	YES	One suitable black cockatoo hollow.