



Australian **Black Cockatoo**
Specialists

Report: Installation of Five artificial hollows at CBH Moora Site, W.A



CBH GROUP
Western Australia

25 April 2024

INTRODUCTION

Australian Black Cockatoo Specialists (ABCS) are pleased to submit this report to the CBH Group (CBH) regarding the installation of five (5) artificial nesting hollows (ANH), at the CBH Moora site on Wednesday 24th April 2024.

INSTALLATION METHOD

The five (5) ANHs were installed at the CBH site in Moora in accordance with the requirements of latest guideline for ANH by the WA Department of Parks and Wildlife publications is *DBCA (2023). Fauna Notes – Artificial hollows for black cockatoos*

Each hollow was 375mm internal diameter (430mm external), 1.2m in height, and installed close to 8m above the ground to reduce the chance of 'Nest Robbing'. The hollows were attached to the tree by chain and fixed by 4 points. A sacrificial post was placed in each hollow along with a minimum of 30lts of premium quality hardwood woodchips. All hollows used by ABCS are made to last at 50 years, except for substrate and sacrificial post, which will need to be change periodically. The hollow is attached to the tree so that when it grows the hollow will rise with the tree and not put the ANH or the fixings under stress. The five ANH's were numbered CBHM01 to CBHM05 (south to north) and placed on Salmon Gum *Eucalyptus salmonophloia* within CBH land. Research has shown that by placing the artificial hollow in manner that the foliage provides shade can considerably reduce the heat in the hollow. Each hollow was placed with this in mind with a minimum shade rating of '3'. Shade over the hollow was rated from 5-1, with 5 full shade and 1 full sun. See Annex 1.



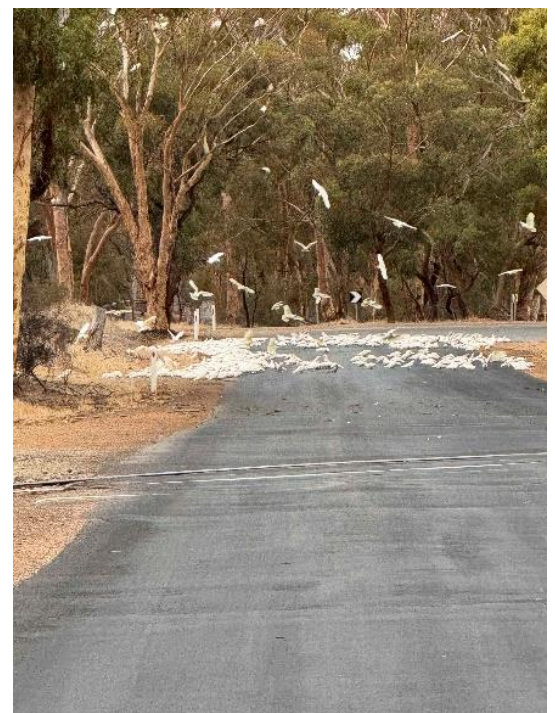
CBH staff were on site during the process and made the decision on which of the nine trees (recommended by ABCS) that the five ANH were installed on, see map at Annex 2 for locations.

RECOMMENDATIONS

That nesting surveys should be conducted in October and December each, to ensure that all nesting attempts are recorded and to enable data to be taken from nestlings to provide valuable information on the health of the birds using the area. All five ANHs will be inspected initially by 'Camera Pole' and observations recorded. If nesting is observed, an EWP or a commercial 10m ladder (See SWP's previously provided) will be deployed to inspect and process the nestling(s), this is done under DBCA licence. The ABCS vehicle is marked with magnet decals to identify it. Staff will be in uniform and wearing hi vis orange shirts and all safety gear. Each nestling will be leg banded, weighed, measured and DNA taken to assist in research.

Maintenance may be required to some or all of ANH each year and it is recommended that this is done in April/May prior to the start of each breeding season to ensure that all hollows are in peak condition. During the nesting surveys each year ABCS will make recommendations on what maintenance is required. However, there should be no requirement to add any substrate to the nests for at least two-three years, unless compaction and/or decay from nesting attempts occurs.

During the installation of the ANHs a large (>200) flock of Western Corellas was feeding on spilt grain on the road and rail near CBHM05. Corellas are very aggressive and are known to take over hollows that could be used by Carnaby's Cockatoo. It is recommended that CBH attempt to reduce their numbers to ensure that the ANH are used by the target species.



CONTACT INFORMATION

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25 April 2024

APPENDIX 1 –ARTIFICIAL HOLLOW DETAILS

Hollow No	SJ No	Tree Species	Northing	Southing	Post	Aspect	Height to Entrance	Diameter	Depth	Depth to substrate	Lts wood chips	Shade (1-5)
CBHMO1	1162	E.Salmonophloia	4050810	6605640	Yes	ESE	7900	375mm	1200	900	30	3
CBHMO2	1153	E.Salmonophloia	0405684	6606280	Yes	WNW	8200	375mm	1200	910	30	3
CBHMO3	1128	E.Salmonophloia	0405679	6606315	Yes	SSW	8000	375mm	1200	900	30	4
CBHMO4	1195	E.Salmonophloia	0405640	6606517	Yes	E	7700	375mm	1200	920	30	3
CBHMO5	1210	E.Salmonophloia	0405575	6606923	Yes	N	8000	375mm	1200	920	30	3

Artificial Hollow CBHM01



Hollow No	SJ No	Tree Species	Northing	Southing	Post	Aspect	Height to Entrance	Diameter	Depth	Depth to substrate	Lts wood chips	Shade (1-5)
CBHMO 1	1162	E.Salmonophloia	4050810	6605640	Yes	ESE	7900	375mm	1200	900	30	3

Artificial Hollow CBHM02



Hollow No	SJ No	Tree Species	Northing	Southing	Post	Aspect	Height to Entrance	Diameter	Depth	Depth to substrate	Lts wood chips	Shade (1-5)
CBHMO2	1153	E.Salmonophloia	0405684	6606280	Yes	WNW	8250	375mm	1200	910	30	3

Artificial Hollow CBHM03



Hollow No	SJ No	Tree Species	Northing	Southing	Post	Aspect	Height to Entrance	Diameter	Depth	Depth to substrate	Lts wood chips	Shade (1-5)
CBHM03	1128	E.Salmonophloia	0405679	6606315	Yes	SSW	8000	375mm	1200	900	30	4

Artificial Hollow CBHM04



Hollow No	SJ No	Tree Species	Northing	Southing	Post	Aspect	Height to Entrance	Diameter	Depth	Depth to substrate	Lts wood chips	Shade (1-5)
CBHMO4	1195	E.Salmonophloia	0405640	6606517	Yes	E	7700	375mm	1200	920	30	3

Artificial Hollow CBHM05



Hollow No	SJ No	Tree Species	Northing	Southing	Post	Aspect	Height to Entrance	Diameter	Depth	Depth to substrate	Lts wood chips	Shade (1-5)
CBHM05	1210	E.Salmonophloia	0405575	6606923	Yes	N	8000	375mm	1200	920	30	3

HOLLOW FIXINGS, POST AND WOOD CHIPS USED IN INSTALLATION



Annex 2: Maps of the locations of the five ANH (Yellow).

