24th August 2022

Del Botanics
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Dear Anneke,

On 17th June and 1st July 2022, a Black Cockatoo Habitat Tree Assessment and Threatened Ecological Community Assessment was undertaken along Goldfields Rd, York. The project area (**Figure 1**) includes a planned upgrade of a crossover at SLK 3.59-3.62 (**Figure 2**), which is approximately 4 km and the widening along Goldfields Road from SLK 18.00 to SLK 26.00 (**Figure 3**), which is approximately 9 km. The location of the site is shown on **Figures 1, 2** & **3** below.


Figure 2- Project Area
SLK 3.59-3.62 -Goldfields Rd
Legend
Goldfields Rd - crossover at SLK 3.59-3.62
SLK 3.59-3.62
SLK 3.59-3.62
Goldfields Rd
Goldfields Rd
Google Earth
200 m
N


Figure 3- Project Area
SLK 18.00-26.00 -Goldfields Rd
Legend
Goldfields Rd - Survey area SLK18.00-26.00
SLK 26.00
Goldfields Rd
Goldfields Rd
SLK 18.00
by Hills Nature Reserve
Google Earth
2 km
N

1.0 BACKGROUND

Due to the proposed clearing in the areas listed below and the results from the *Detailed Flora and Vegetation Survey and Targeted Flora Search Goldfields Rd, York* report, the Shire of York engaged Del Botanics to undertake a Threatened Ecological Community Assessment and Black Cockatoo Habitat Tree Assessment.

The surveyed areas include;

1. Area 1-SLK 3.59-3.62 Goldfields Road (York-Tammin Road). Right hand side only
2. Area 2- SLK 18.73-18.87 Goldfields Road (York-Tammin Road)
3. Area 3- SLK 19.68-19.76 Goldfields Road (York-Tammin Road)
4. Area 4- SLK 21.30-21.65 Goldfields Road (York-Tammin Road)
5. Area 5- SLK 22.07-23.03 Goldfields Road (York-Tammin Road)
6. Area 6- SLK 23.54-23.56 Goldfields Road (York-Tammin Road)
7. Area 7- SLK 23.93-24.65 Goldfields Road (York-Tammin Road)
8. Area 8- SLK 25.04-25.08 Goldfields Road (York-Tammin Road)

1.1 Flora and Vegetation

The project area is situated on the eastern side of the townsite of York, where it is dominated by agricultural land uses and a large portion of the native vegetation has been cleared. Remnant vegetation is common along the water courses, which includes York Gum (*Eucalyptus loxophelba*) and Jam Wattle (*Acacia acuminata*). Wandoo occurs on the mid slopes and along roadsides. Salmon gum (*Eucalyptus salmonophloia*) appears as a dominant tree in remnant vegetation on loamy clay soils. Granite Outcrops are dominated by Lichens (Weaving, 1994).

One vegetation community was represented within the project area at a local level; which has been described below.

Vegetation Community 1 –*Eucalyptus Open Woodland over weed dominated understorey*

Open Woodland of *Eucalyptus wandoo, Eucalyptus salmonophloia* and *Eucalyptus loxophleba* over Grassland of **Lolium rigidum, *Erhrarta longiflora, *Bromus diandrus* over Very Open Herbland of **Raphanus raphanistrum* and **Brassica tournefortii.*

During the survey the vegetation recorded along Goldfields Rd, York has been described as Eucalypt Woodlands. To determine the presence of the TEC *Eucalypt Woodlands of the Western Australian*

Wheatbelt, patches that occur as roadside verges, must be in "Good" vegetation condition with a minimum patch width of 5 metres and meet any of the exotic plant species understorey cover / presence of mature trees criteria, shown below:

- A high-quality native understorey remains – i.e., no more than 30% of the total vegetation cover of exotic plant species OR
- Exotic plant species account for over 30 to 50% total vegetation understorey cover AND mature trees are present, with at least 5 such trees per half hectare. Mature trees have a diameter at breast height of 30 cm or more, and often contain hollows. A minimum patch size of 5 hectares (12.5 acres) applies where:
    - Exotic plant species account for over 30 to 50% total vegetation understorey cover BUT there are no or less than 5 mature trees present per half hectare OR
    - Exotic plant species account for over 50 to 70% total vegetation understorey cover AND mature trees are present, with at least 5 such trees per half hectare.

The vegetation surveyed along Goldfields Rd, recorded Eucalypt Woodlands in areas of "Good" vegetation condition and in some locations the road verge meets the 5-metre width criteria. The data presented in some quadrats using the dominant vegetation stratum, indicates that the percentage cover for native and weed species meets the criteria for determining the presence of the TEC *Eucalypt Woodlands of the Western Australian Wheatbelt.*

This suggests that the TEC is present along "Good" vegetation condition areas, where there are habitat trees and less than 50% weed cover in the road verge with a width of 5 metres.

The results from the *Detailed Flora and Vegetation Survey and Targeted Flora Search Goldfields Rd, York* report identified two potential areas for a TEC Assessment, these are:

- Area 2- SLK 18.73-18.87 Goldfields Road (York-Tammin Road)
- Area 3- SLK 19.68-19.76 Goldfields Road (York-Tammin Road)

1.2 Black Cockatoo Habitat Tree Assessment

A Black Cockatoo Habitat Tree Assessment records trees which create potential habitats for Black Cockatoo species. The assessment is the primary technique used to inform decisions on significant impact for Black Cockatoos. The removal of potential habitat trees will be a significant impact on the breeding future of Black Cockatoos.

York is located within the Wheatbelt area that is identified as a Breeding habitat for Carnaby's cockatoo (*Calyptorhynchus latirostris*). This species generally occurs in woodland or forest and nests in hollows in live or dead trees of salmon gum (*Eucalyptus salmonophloia*), Wandoo (*Eucalypus wandoo*), Tuart (*Eucalyptus gomphchelea*), Jarrah (Eucalyptus marginata), Flooded gum (*Eucalyptus rudis*), York gum (*Eucalyptus loxophleba* subsp. *loxophleba*), Powderbark (*E. accedens*), Karri (*Eucalyptus diversicolor*) and Marri (*Corymbia calophylla*).

Black Cockatoos breed in large hollow-bearing trees, generally within woodlands or forests. Hollows form as trees age with only old trees having suitable size hollows. The size of the tree, measured as the diameter at breast height (DBH), is a useful indicator of the hollow-bearing potential of the tree. Habitat trees considered potentially suitable for Black Cockatoo breeding have a DBH greater than 500 mm (for salmon gum and wandoo, suitable DBH is 300 mm). All native trees with the described DBH parameters were recorded.

Due to the high number of large trees along the roadside the *Detailed Flora and Vegetation Survey and Targeted Flora Search Goldfields Rd, York* report suggested identifying potential habitat trees prior to clearing.

2.0 RESULTS

4.1 Threatened Ecological Community

The results from the Detailed Flora and Vegetation Assessment undertaken in November 2021, identified two areas in Good or better condition that may have met the criteria for the TEC *Eucalypt Woodlands of the Western Australian Wheatbelt*. A site assessment was undertaken on 1st July 2022 to confirm the presence or otherwise of the TEC in the two identified areas.

The site assessment undertaken in Area 2- (SLK 18.73-18.87 Goldfields Road) noted the roadside vegetation was dominated by weed species with an overstorey of *Casuarina obesa* and no Eucalyptus species. The site is adjacent to a paddock consisting of a variety of grass weed species. The adjacent

vegetation on the other side of the road did contain Eucalyptus overstorey, however did not have a roadside vegetation width of 5 metres and lacked native understorey species. The site assessment confirmed that the TEC *Eucalypt Woodlands of the Western Australian Wheatbelt* is unlikely to be present within this area.

The site assessment undertaken in Area 3- (SLK 19.68-19.76 Goldfields Road) recorded 70% native flora species of understorey vegetation within the road reserve, however no Eucalyptus trees were recorded in the quadrat. The adjacent vegetation on private property contains Eucalyptus species. This area is identified as the TEC *Eucalypt Woodlands of the Western Australian Wheatbelt* including the adjacent bushland. The adjacent bushland is currently owned as private property. The road reserve is 5 metres wide, with 30% of species recorded as weeds. The site assessment confirmed that the TEC *Eucalypt Woodlands of the Western Australian Wheatbelt* is likely to be present within this area. Quadrat data is provided in **Appendix A.** The TEC occurrence report form is provided in **Appendix B**.

4.2 Black Cockatoo Habitat Tree Assessment

Each native tree within area 1-8 (as described above) along Goldfields Rd with a DBH of 500mm (300 mm for salmon gum and wandoo) or greater was recorded with a GPS location and information was collected for each individual tree. In total 87 trees were recorded as potential Black Cockatoo Habitat trees due to their size. The results of the survey are provided in **Appendix C** and shown on **Figure 4-6** below.

Figure 4 – Potential Black Cockatoo Habitat Tree Locations Area 1

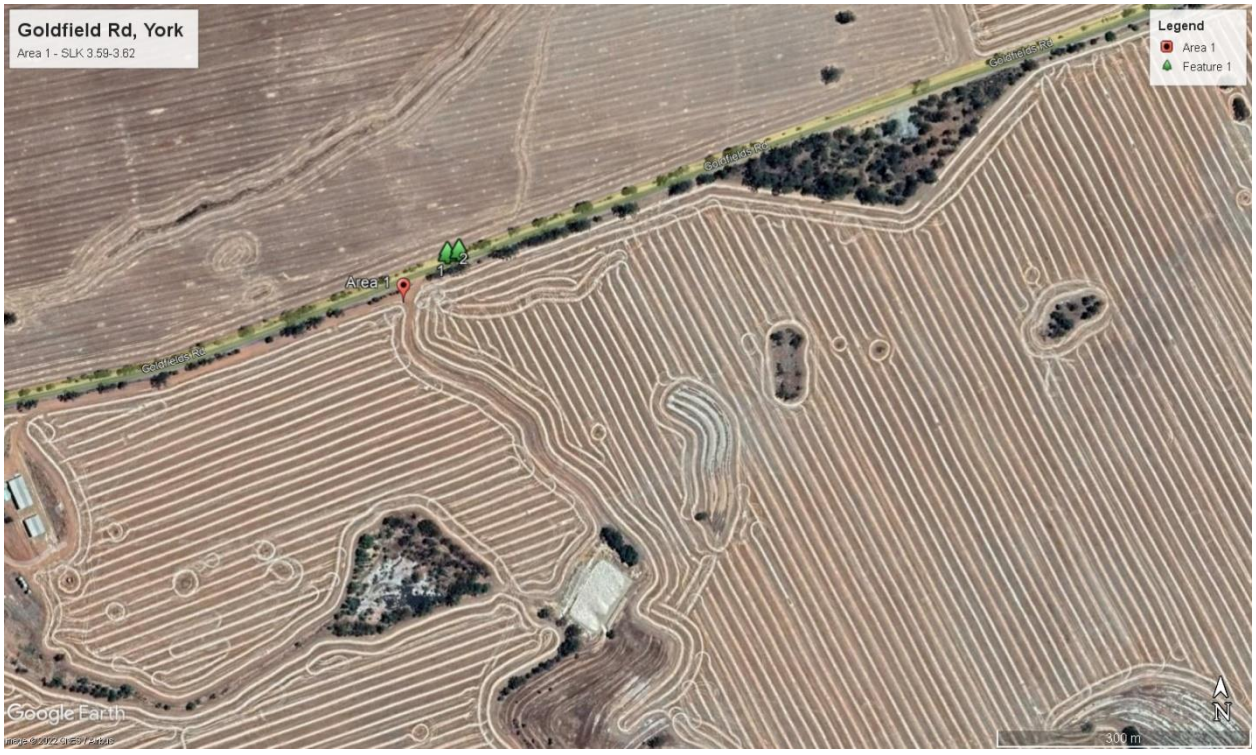


Figure 5 – Potential Black Cockatoo Habitat Tree Locations Area 2-4

Figure 6 – Potential Black Cockatoo Habitat Tree Locations Area 5-8

The project area contains 87 potential Black Cockatoo Habitat trees, consisting of 20 *Eucalyptus loxophleba* (York Gum), 35 *Eucalyptus wandoo* (Wandoo) and 32 *Eucalyptus salmonophloia* (Salmon Gum). 16% of the trees recorded contained hollows large enough to support Black Cockatoo breeding. 58% of the trees recorded contained small to medium sized hollows, which at this point in time are not suitable for Black Cockatoo breeding. 13% of the recorded trees have a DBH over 1000mm. Results of the potential Black Cockatoo Habitat Tree Assessment are provided in **Appendix C** and shown on **Figure 4-6**.

5.0 CONCLUSION

The site assessment undertaken on the two areas identified in the *Detailed Flora and Vegetation Survey and Targeted Flora Search Goldfields Rd, York*, indicated that one site meets the criteria of the TEC *Eucalypt Woodlands of the Western Australian Wheatbelt*. Area 3 meets the criteria due to the vegetation existing on the private property adjacent to the road reserve. If this area is disturbed it is recommended that an offset project is developed. The offset site is recommended to contain the same vegetation community and works are undertaken to reduce weeds and increase native flora density and diversity.

Area 2 had limited native understorey vegetation and lacked Eucalyptus species as a dominant overstorey species and does not meet the 5-metre roadside vegetation width. Therefore, it is unlikely that this site is part of the TEC.

16% of the trees recorded contained hollows large enough to support Black Cockatoo breeding, these trees are listed below in **Table 1** and are shown on **Figure 7**. It is important to retain these trees where possible. If these trees are to be removed it is recommended that an offset is developed.

Table 1– Trees recorded along Goldfields Rd, with large Potential Black Cockatoo Hollows.

Tree Number	Circumference (cm)	Tree Species	Coordinates (UTM)
5	595.54	*Eucalyptus salmonopholia*	50 J 505488.62 6478360.989
11	646.50	*Eucalyptus loxophleba*	50 J 505074.07 6478229.385
12	863.06	*Eucalyptus loxophleba*	50 J 505029.97 6478220.788
15	636.94	*Eucalyptus loxophleba*	50 J 504538.11 6478067.890
17	764.33	*Eucalyptus loxophleba*	50 J 504031.48 6477908.915
20	974.52	*Eucalyptus salmonophloia*	50 J 503598.63 6477773.822
44	1050.96	*Eucalyptus salmonophloia*	50 J 503357.12 6477707.510
54	980.89	*Eucalyptus wandoo*	50 J 503083.53 6477604.011
57	1076.43	*Eucalyptus salmonophloia*	50 J 503032.67 6477574.097
71	1178.34	*Eucalyptus salmonophloia*	50 J 502698.05 6477400.174
72	1082.80	*Eucalyptus loxophleba*	50 J 502683.05 6477399.199
73	649.68	*Eucalyptus loxophleba*	50 J 502662.46 6477387.649
76	576.43	*Eucalyptus loxophleba*	50 J 502028.90 6477074.528
78	974.52	*Eucalyptus loxophleba*	50 J 502001.05 6477065.915

Figure 7 – Potential Black Cockatoo Habitat Tree Locations with large hollows

Kind Regards

Kylie Del Fante
Director
Del Botanics Environmental Consulting

Information regarding Appendix C

Hollows	**Information**
Large Hollow	< 25cm entrance
Medium Hollow	10-20cm entrance
Small Hollow	5-10cm entrance

Tree Health	**Information**
Very Good	Tree overall health is excellent
Good	Tree presents minor signs of stress
Degraded/Stressed	Tree has some markers of its health deteriorating
Dead	Tree has no alive branches

na = not applicable

APPENDIX A – QUADRAT DATA FOR AREA 3

Del Botanics

FIELD SHEET – FLORA AND VEGETATION SURVEY

Job Code: SoY Goldfield Rd, York	**Date:** 1/7/2022	**Site:** Area 3 – Goldfields Rd
GPS Datum: 50 500649 6476249	**Topography:** Lower slope	**Litter cover:** 30% Twigs, 60% leaves 10% logs
Age since fire:.>10 yrs	**Disturbance**: Hi **Med** Lo	**Soils:** Gravel/Orange
Vegetation Description: Eucalyptus Woodland		
Vegetation Condition: Good		
Observations: Quadrat 5 metres x 20 metres Potential TEC – *Eucalypt Woodland of the WA Wheatbelt* Adjacent vegetation on private property is Eucalyptus woodland in good condition		

Coll No.	Taxon	Ht (cm)	% Alive	% Dead	% Cover
Upper	*Allocasuarina huegeliana*	6000	100		30
	Hakea incrassata	140	100		6
	Acacia pulchella	120	100		1
Mid	*Dodonaea* sp	100	100		1
	Sida sp	60	100		9
	Opercularia sp	60	100		12
Lower	*Austrostipa elegantissima*	100	100		3
	Aristida ?contorta	100	100		2.5
	**Poaceae* sp 2	100	100		2.5
Other	*Dianella revoluta*				
	Drosera macrantha				
	Hibbertia huegelii				
	Kennedia prostrata				
	Astromola sp				
	**Romulea rosea*				
	**Ursinia anthemoides*				
	Thysanotus patersonii				
	**Avena barbata*				
	**Lysimachia arvensis*				
	**Hypochaeris glabra*				
	Xanthorrhoea preissii				
	**Lolium perenne*				
	**Solanum ? elaeagnifolium*				
	Thomasia sp (purple)				
	Lomandra sp				
	**Vicia* sp				
	Glischrocaryon aureum				
	Damperia sp				
	Waitzia nitida				

	Daucus glochidiatus				
	Hybanthus floribundus				
	31 species (22 native 9 weeds) 70% Native				

APPENDIX B – TEC OCCURANCE REPORT FORM

Department of Parks and Wildlife

Threatened and Priority Ecological Community (TEC/PEC) Occurrence Report Form

Version 6.0 July 2013

COMMUNITY: Eucalypt Woodland of the WA Wheatbelt **OBSERVATION DATE:** 01/07/2022

New occurrence ☒ **Site ID:** **CONS STATUS:** Critically Endangered

OBSERVER/S: Kylie Del Fante/Shenaye Hummerston **PHONE:** 0427700496

ROLE: Botanist **ORGANISATION:** Del Botanics Environmental Consultancy

EMAIL: delbotanics@bigpond.com

DESCRIPTION OF LOCATION (Provide at least nearest town/named locality, and the distance and direction to that place)**:**

Area 3- SLK 19.68-19.76 Goldfields Road (York-Tammin Road)

Road Reserve

Reserve No:

DISTRICT: **LGA:** York Land manager present: ☐

DATUM:

GDA94 / MGA94 ☒
AGD84 / AMG84 ☐
WGS84 ☐
Unknown ☐

COORDINATES: (If UTM coords provided, **Zone** is also required)

DecDegrees ☐ DegMinSec ☐ UTMs ☒

Lat / Northing: 6476249

Long / Easting: 500649

Zone: 50

METHOD USED:

GPS ☒ Differential GPS ☐ Map ☐

No. satellites: Map used:

Boundary polygon captured: ☐ Map used:

LAND TENURE:

Nature reserve ☐ Timber reserve ☐ Private property ☐ Rail reserve ☐ Shire road reserve ☒
National park ☐ State forest ☐ Pastoral lease ☐ MRWA road reserve ☐ Other Crown reserve ☐
Conservation park ☐ Water reserve ☐ UCL ☐ SLK/Pole _____ to _____ Specify other: _____

AREA ASSESSMENT: Edge survey ☐ Partial survey ☐ Full survey ☒ Area observed (m²): 100

EFFORT: Time spent surveying (minutes): 30 minutes No. of minutes spent / 100 m²: _____

THREATS - type, and supporting information: e.g. clearing, too frequent fire, weed, disease. Refer to field manual for list of threats & agents.	**Cause/Agent:** e.g. weed type, grazing species, recreation type	Area affected	Current impact (N-E)	Potential Impact (L-E)	Potential Threat Onset (S-L)
• Clearing	Road widening	%	M	H	L
• weeds	grasses and adjacent paddock species	%	M	H	L
•		%			
•		%			
•		%			
•		%			
•		%			
•		%			
•		%			

*Rate current and potential threat impact: **N=Nil, L=Low, M=Medium, H=High, E=Extreme**

*Estimate time to potential impact: **S=Short (<12mths), M=Medium (<5yrs), L=Long (5yrs+)**

CONDITION OF OCCURRENCE: (Bush Forever Scale) (estimate % of area in each)

Pristine ☐ _____% Very Good ☐ _____% Degraded ☒ 20%

Excellent ☐ _____% Good ☒ 80% Completely Degraded ☐ _____%

Please return form to:

communities.data@dpaw.wa.gov.au

or Species and Communities Branch, Department of Parks and Wildlife, Locked Bag 104, Bentley Delivery Centre WA 6983

*Record entered by:*_____ *Date entered:*_____ *Database no:*_____

Department of Parks and Wildlife

Threatened and Priority Ecological Community (TEC/PEC) Occurrence Report Form

Version 6.0 July 2013

RECOMMENDED MANAGEMENT ACTIONS: e.g. roadside markers, weed control, etc.

Protect within road reserve

If unable to retain, look at potential offsets within the Shire of York

ACTIONS IMPLEMENTED (include date):

HABITAT INFORMATION: (Check more than one box for combinations or where necessary)

LANDFORM:	ROCK TYPE:	LOOSE ROCK:	SOIL TYPE:	SOIL COLOUR:	DRAINAGE:
Crest ☐	Granite ☒	(on soil surface; e.g. gravel, quartz fields)	Sand ☐	Red ☒	Well drained ☒
Hill ☐	Dolerite ☐		Sandy loam ☐	Brown ☐	Seasonally inundated ☐
Ridge ☐	Laterite ☒	0-10% ☒	Loam ☐	Yellow ☐	Permanently inundated ☐
Outcrop ☐	Ironstone ☐	10-30% ☐	Clay loam ☒	White ☐	Tidal ☐
Slope ☐	Limestone ☐	30-50% ☐	Light clay ☐	Grey ☐	
Flat ☒	Quartz ☐	50-100% ☐	Peat ☐	Black ☐	
Open depression ☐					
Drainage line ☐	Specify other:		Specify other:	Specify other:	Specify other:
Closed depression ☐					
Wetland ☐					

Specific Landform Element: (Refer to field manual for additional values)

CONDITION OF SOIL:

Dry ☐ Moist ☒ Waterlogged ☐ Inundated ☐ Cracked ☐ Saline ☐ Other:

VEGETATION CLASSIFICATION:	1.
	2.
	3.
	4.

FIRE HISTORY:

Last Fire: Season/Month: Year: **Fire Intensity:** High ☐ Medium ☐ Low ☐ No evidence of fire ☒

Actual Occurrence Landuse: Road Reserve

Please return form to:

communities.data@dpaw.wa.gov.au

or Species and Communities Branch, Department of Parks and Wildlife, Locked Bag 104, Bentley Delivery Centre WA 6983

*Record entered by:*_____ *Date entered:*_____ *Database no:*_____

Department of Parks and Wildlife

Threatened and Priority Ecological Community (TEC/PEC) Occurrence Report Form

Version 6.0 July 2013

Adjacent Landuse:	Private property

Associated Flora Species:

See Quadrat data

Associated Fauna Species:

OTHER COMMENTS:

ATTACHED: Map ☒ Mudmap ☐ Photo ☐ GIS data ☐ Field notes ☐

Other:

COPY SENT TO: Regional Office ☒ District Office ☐ Other:

Submitter of record:	**Kylie Del Fante**	**Role:**	**Botanist**
Signature:		**Date submitted:**	

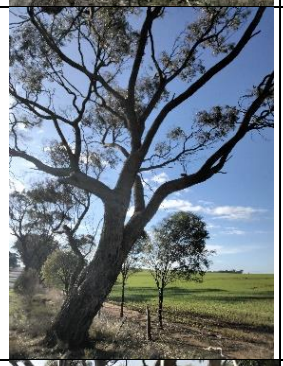
Please return form to:

communities.data@dpaw.wa.gov.au

or Species and Communities Branch, Department of Parks and Wildlife, Locked Bag 104, Bentley Delivery Centre WA 6983

*Record entered by:*_____ *Date entered:*_____ *Database no:*_____

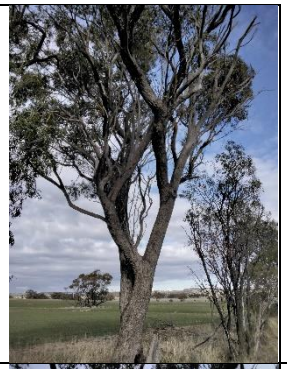
APPENDIX C – POTENTIAL BLACK COCKATOO TREES

Tree No.	Photo	Tree Species	Diameter at Breast Height (DBH)	Height (m)	Hollows	Health	Comments	UTM
1		*Eucalyptus loxophleba*	901.27	30	2 small 1 medium	Good	some canopy stress	50 J 485478.21 6475986.334
2		*Eucalyptus loxophleba*	885.35	25	3 small	Good	some canopy stress	50 J 485492.07 6475989.825
3		*Eucalyptus salmonopholia*	1671.97	35	1 medium 1 small	Very Good	bird nest	50 J 505452.00 6478348.853

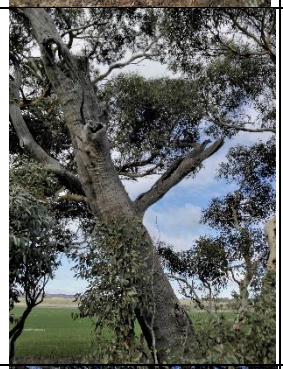
4		*Eucalyptus salmonopholia*	621.02	25	1 medium 2 small	Very Good		50 J 505480.43 6478360.899
5		*Eucalyptus salmonopholia*	595.54	15	1 large	Very Good		50 J 505488.62 6478360.989
6		*Eucalyptus salmonopholia*	719.75	27	none	Very Good		50 J 505482.59 6478364.466

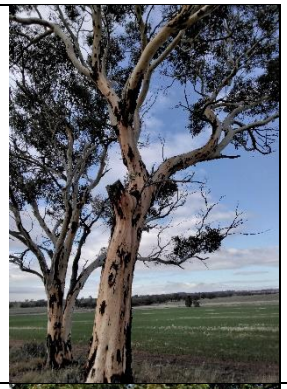
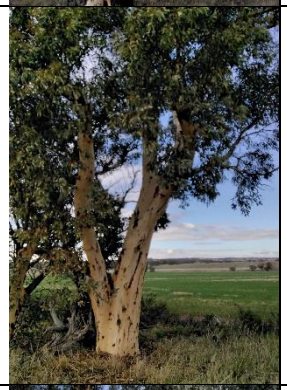
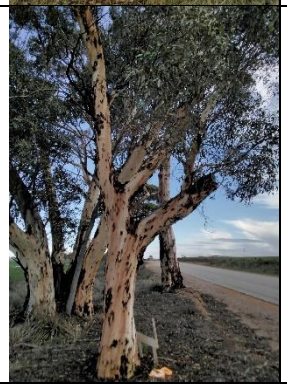
7		*Eucalyptus salmonopholia*	767.52	25	none	Very Good		50 J 505493.06 6478364.176
8		*Eucalyptus salmonopholia*	410.83	25	2 medium	Good		50 J 505510.03 6478367.766
9		*Eucalyptus loxophleba*	773.89	30	1 small	Very Good		50 J 505106.15 6478235.873

10		*Eucalyptus loxophleba*	719.75	30	1 medium 2 small	Very Good		50 J 505084.76 6478231.274
11		*Eucalyptus loxophleba*	646.50	30	1 large 2 medium 2 small	Very Good	signs of bird use	50 J 505074.07 6478229.385
12		*Eucalyptus loxophleba*	863.06	25	3 large 1 medium 1 small	Very Good		50 J 505029.97 6478220.788

13		*Eucalyptus loxophleba*	668.79	30	3 small 1 medium	Very Good	signs of bird use	50 J 504855.03 6478162.746
14		*Eucalyptus loxophleba*	716.56	30	5 medium	Very Good	signs of bird use	50 J 504543.31 6478066.214
15		*Eucalyptus loxophleba*	636.94	30	1 large 1 small	Very Good		50 J 504538.11 6478067.890

16		*Eucalyptus loxophleba*	646.50	30	4 small	Very Good	1 trunk has european bees	50 J 504747.94 6478129.519
17		*Eucalyptus loxophleba*	764.33	25	2 large 2 medium 2 small	Good		50 J 504031.48 6477908.915
18		*Eucalyptus salmonophloia*	777.07	30	3 medium 1 small	Very Good		50 J 504006.89 6477897.621

20		*Eucalyptus salmonophloia*	560.51	30	1 medium	Very Good	3 trunks same size	50 J 503604.03 6477774.578
20		*Eucalyptus wandoo*	974.52	25	3 large 2 medium	Very Good	very significant cockatoo tree	50 J 503598.63 6477773.822
21		*Eucalyptus wandoo*	394.90	25	4 small	Very Good		50 J 503598.54 6477776.790

22		*Eucalyptus wandoo*	608.28	27	none	Very Good		50 J 503534.92 6477753.323
23		*Eucalyptus wandoo*	847.13	30	1 medium	Very Good		50 J 503529.09 6477753.388
24		*Eucalyptus wandoo*	522.29	25	2 small	Very Good		50 J 503510.02 6477746.165

25		*Eucalyptus wandoo*	560.51	30	1 medium 2 small	Very Good		50 J 503496.98 6477741.497
26		*Eucalyptus salmonophloia*	726.11	32	4 small	Very Good		50 J 503490.63 6477741.404
27		*Eucalyptus salmonophloia*	1079.62	32	3 small	Very Good		50 J 503486.86 6477740.269

28		*Eucalyptus salmonophloia*	1337.58	35	none	Very Good		50 J 503440.69 6477731.539
29		*Eucalyptus salmonophloia*	1146.50	35	none	Very Good		50 J 503429.53 6477732.332
30		*Eucalyptus salmonophloia*	738.85	35	1 small	Very Good	2 trunks	50 J 503424.73 6477728.672

31		*Eucalyptus salmonophloia*	671.97	35	none	Very Good		50 J 503415.12 6477724.381
32		*Eucalyptus salmonophloia*	713.38	30	1 small	Very Good		50 J 503414.30 6477723.561
33		*Eucalyptus salmonophloia*	328.03	25	1 small	Very Good		50 J 503414.30 6477724.855

34		*Eucalyptus salmonophloia*	324.84	25	1 small	Very Good		50 J 503469.72 6477739.075
35		*Eucalyptus salmonophloia*	917.20	35	none	Very Good		50 J 503409.15 6477717.059
36		*Eucalyptus salmonophloia*	608.28	35	2 medium	Very Good		50 J 503412.29 6477712.953

37		*Eucalyptus salmonophloia*	566.88	30	none	Very Good		50 J 503403.63 6477714.787
38		*Eucalyptus salmonophloia*	961.78	35	none	Very Good		50 J 503397.29 6477713.337
39		*Eucalyptus salmonophloia*	636.94	35	1 medium	Very Good		50 J 503404.07 6477705.347

40		*Eucalyptus salmonophloia*	1031.85	35	1 medium 1 small	Very Good		50 J 503368.26 6477701.571
41		*Eucalyptus salmonophloia*	522.29	35	none	Very Good		50 J 503360.10 6477702.173
42		*Eucalyptus salmonophloia*	894.90	35	1 medium	Very Good		50 J 503355.34 6477698.955

43		*Eucalyptus salmonophloia*	1181.53	35	1 small	Very Good		50 J 503353.28 6477695.451
44		*Eucalyptus salmonophloia*	1050.96	25	3 large 1 small	Very Good		50 J 503357.12 6477707.510
45		*Eucalyptus wandoo*	675.16	30	1 small	Very Good		50 J 503348.14 6477705.524

46		*Eucalyptus wandoo*	503.18	30	4 small 1 medium	Very Good		50 J 503311.91 6477689.781
47		*Eucalyptus wandoo*	340.76	35	none	Very Good		50 J 503315.27 6477688.139
48		*Eucalyptus wandoo*	767.52	20	none	Very Good		50 J 503311.91 6477688.708

49		*Eucalyptus wandoo*	547.77	35	2 medium	Very Good		50 J 503308.83 6477692.908
50		*Eucalyptus wandoo*	359.87	20	2 small	Very Good		50 J 503296.62 6477683.693
51		*Eucalyptus wandoo*	579.62	35	2 small	Very Good		50 J 503276.63 6477680.953

52		*Eucalyptus wandoo*	509.55	35	2 small	Very Good		50 J 503095.65 6477610.953
53		*Eucalyptus wandoo*	738.85	30	3 small	Good	possible Armillaria infection	50 J 503089.62 6477606.251
54		*Eucalyptus wandoo*	980.89	30	1 large 1 medium 1 small	Very Good		50 J 503083.53 6477604.011

55		*Eucalyptus wandoo*	375.80	20	2 medium 1 small	Very Good		50 J 503059.99 6477592.084
56		*Eucalyptus salmonophloia*	904.46	35	2 small	Very Good		50 J 503038.19 6477581.230
57		*Eucalyptus salmonophloia*	1076.43	35	2 large 1 medium 1 small	Very Good		50 J 503032.67 6477574.097

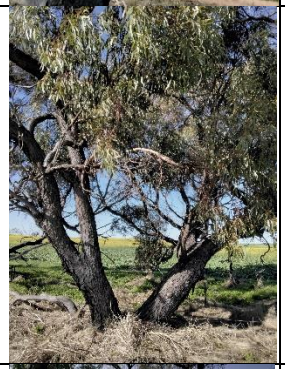
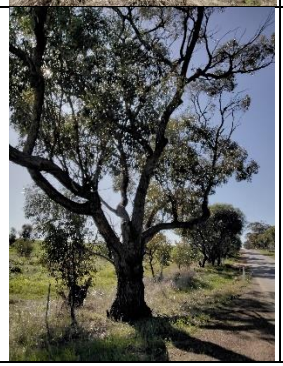
58		*Eucalyptus wandoo*	480.89	20	none	Very Good		50 J 502949.35 6477533.774
59		*Eucalyptus wandoo*	528.66	35	2 small	Very Good		50 J 502911.62 6477514.179
60		*Eucalyptus wandoo*	391.72	30	1 medium	Very Good		50 J 502911.27 6477510.549

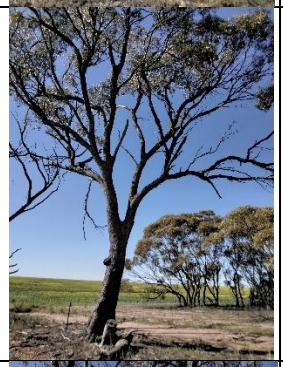
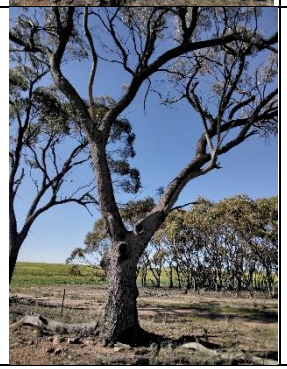
61		*Eucalyptus wandoo*	649.68	35	3 small	Very Good		50 J 502906.35 6477511.497
62		*Eucalyptus wandoo*	477.71	25	1 medium 3 small	Very Good		50 J 502900.77 6477506.290
63		*Eucalyptus wandoo*	445.86	35	2 small	Very Good		50 J 502892.42 6477505.345

64		*Eucalyptus wandoo*	455.41	35	1 medium small	Very Good		50 J 502888.81 6477500.042
65		*Eucalyptus wandoo*	423.57	30	none	Very Good		50 J 502806.76 6477460.570
66		*Eucalyptus wandoo*	550.96	30	2 medium 4 small	Very Good		50 J 502803.20 6477458.235

67		*Eucalyptus loxophleba*	579.62	30	3 small	Very Good		50 J 502785.15 6477446.054
68		*Eucalyptus wandoo*	359.87	30	2 small	Very Good		50 J 502783.12 6477450.506
69		*Eucalyptus salmonophloia*	726.11	35	none	Very Good		50 J 502783.75 6477445.675

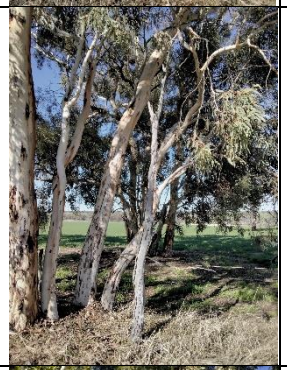
70		*Eucalyptus wandoo*	519.11	35	1 small 1 medium	Very Good		50 J 502767.67 6477439.050
71		*Eucalyptus salmonophloia*	1178.34	35	1 large 3 medium 3 small	Very Good	large hollow appears used	50 J 502698.05 6477400.174
72		*Eucalyptus loxophleba*	1082.80	35	3 small 2 medium 1 large	Very Good		50 J 502683.05 6477399.199

73		*Eucalyptus loxophleba*	649.68	35	1 large 1 medium 1 small	Very Good		50 J 502662.46 6477387.649
74		*Eucalyptus loxophleba*	732.48	30	3 small 1 medium	Very Good		50 J 502116.88 6477121.864
75		*Eucalyptus loxophleba*	1006.37	32	none	Very Good		50 J 502089.47 6477125.784

76		*Eucalyptus loxophleba*	576.43	35	4 medium 1 large 2 small	Dead		50 J 502028.90 6477074.528
77		*Eucalyptus loxophleba*	684.71	35	3 small 1 medium	Very Good		50 J 502012.15 6477066.765
78		*Eucalyptus loxophleba*	974.52	35	4 small 1 medium 1 large	Very Good		50 J 502001.05 6477065.915

79		*Eucalyptus loxophleba*	525.48	32	4 small	Very Good		50 J 501993.82 6477063.959
80		*Eucalyptus wandoo*	404.46	35	none	Very Good		50 J 500658.46 6476261.325
81		*Eucalyptus wandoo*	331.21	35	none	Very Good		50 J 500639.30 6476255.834

82		*Eucalyptus wandoo*	484.08	35	1 small	Very Good	3 trunks same size	50 J 499716.65 6476196.283
83		*Eucalyptus wandoo*	531.85	35	2 small	Very Good		50 J 499716.75 6476196.599
84		*Eucalyptus wandoo*	493.63	35	none	Very Good	2 trunks same size	50 J 499677.44 6476201.207

85		*Eucalyptus wandoo*	398.09	32	none	Very Good	1 main trunk 2 small trunks	50 J 499661.97 6476198.775
86		*Eucalyptus wandoo*	308.92	32	none	Very Good	1 main trunk 1 small trunk	50 J 495492.97 6477189.284
87		*Eucalyptus wandoo*	531.85	35	none	Very Good		50 J 499652.16 6476199.122