

Appendix A

Threatened and Priority Flora Desktop Assessment Results

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Appendix A Threatened and Priority Flora Desktop Assessment Results

Species	Conservation Status		Flowering Period	Preferred Habitat	Likelihood of Occurrence
	Commonwealth	State			
<i>Andersonia gracilis</i>	Endangered	Vulnerable	September to November	White/grey sand, sandy clay, gravelly loam. Winter-wet areas, near swamps	Unlikely to occur
<i>Caladenia huegelii</i>	Endangered	Critically Endangered	September to October	Grey or brown sand, clay loam	Unlikely to occur
<i>Calytrix breviseta</i> subsp. <i>breviseta</i>	Endangered	Critically Endangered	October to November	Sandy clay. Swampy flats	Unlikely to occur
<i>Chamelaucium</i> sp. Gingin (N.G. Marchant 6)	Endangered	Vulnerable		Slope. Dry white/grey sand	Unlikely to occur
<i>Darwinia foetida</i>	Critically Endangered	Endangered		Wetland. Grey black soil. Winter wet area	Unlikely to occur
<i>Dasymalla axillaris</i>	Critically Endangered	Critically Endangered		Plain. Yellow/brown sand/loam/gravel.	Unlikely to occur
<i>Eleocharis keigheryi</i>	Vulnerable	Vulnerable	August to November	Clay, sandy loam. Emergent in freshwater: creeks, claypans	Unlikely to occur
<i>Grevillea christineae</i>	Endangered	Endangered	August to September	Clay loam, sandy clay, often moist	Unlikely to occur
<i>Grevillea curviloba</i> subsp. <i>curviloba</i>	Endangered	Critically Endangered	October	Grey sand. Winter wet heath	Unlikely to occur
<i>Grevillea curviloba</i> subsp. <i>incurva</i>	Endangered	Endangered	October	Grey sand. Winter wet heath	Unlikely to occur

Species	Conservation Status		Flowering Period	Preferred Habitat	Likelihood of Occurrence
	Commonwealth	State			
<i>Lepidosperma rostratum</i>	Endangered	Endangered		peaty sand, clay	Unlikely to occur
<i>Ornduffia calthifolia</i>	Endangered	Endangered		Granite slopes with brown sandy loam over granite	Unlikely to occur
<i>Thelymitra dedmaniarum</i>	Endangered	Critically Endangered	December or January	Granite	Unlikely to occur
<i>Thelymitra stellata</i>	Endangered	Endangered	October to November	Sand, gravel, lateritic loam	Unlikely to occur
<i>Trithuria occidentalis</i>	Endangered	Critically Endangered		Low lying depression next to sand ridge	Unlikely to occur
<i>Bolboschoenus medianus</i>	-	Priority 1		Mud. In water and on river banks	Unlikely to occur
<i>Hydrocotyle striata</i>	-	Priority 1		Clay. Springs	Unlikely to occur
<i>Stachystemon</i> sp. Keysbrook (R. Archer 17/11/99)	-	Priority 1		Grey sand. Seasonally damp	Unlikely to occur
<i>Acacia benthamii</i>	-	Priority 2	August to September	Sand. Typically on limestone breakaways	Unlikely to occur
<i>Phyllangium palustre</i>	-	Priority 2	October to November	Clay. Winter - wet claypans, low lying seasonal wetlands	Unlikely to occur
<i>Poranthera moorokatta</i>	-	Priority 2	September to November	Open <i>Banksia</i> woodland on white silica sands or shallow damp land on mixed grey and white sand	May occur
<i>Acacia ridleyana</i>	-	Priority 3	August to December	Grey or yellow/brown sand, gravelly clay, granitic loam	Unlikely to occur

Species	Conservation Status		Flowering Period	Preferred Habitat	Likelihood of Occurrence
	Commonwealth	State			
<i>Beaufortia purpurea</i>	-	Priority 3	October to December or January to February	Lateritic or granitic soils. Rocky slopes	Unlikely to occur
<i>Byblis gigantea</i>	-	Priority 3	September to December or January	Sandy peat swamps. Seasonally wet areas	Unlikely to occur
<i>Carex tereticaulis</i>	-	Priority 3	September to October	Black peaty sand	Unlikely to occur
<i>Cyathochaeta teretifolia</i>	-	Priority 3		Grey sand, sandy clay. Swamps, creek edges	May occur
<i>Eryngium pinnatifidum</i> subsp. <i>palustre</i>	-	Priority 3	October to November	Clay, sandy clay. Claypans, seasonally wet flats	Unlikely to occur
<i>Eryngium</i> sp. <i>Subdecumbens</i> (G.J. Keighery 5390)	-	Priority 3	October to November	Clay, grey sand. Seasonally wet flats, claypans, swamps	Unlikely to occur
<i>Haemodorum loratum</i>	-	Priority 3	November	Grey or yellow sand, gravel	May occur
<i>Isopogon drummondii</i>	-	Priority 3	February to June	White, grey or yellow sand, often over laterite	Unlikely to occur
<i>Lasiopetalum glutinosum</i> subsp. <i>glutinosum</i>	-	Priority 3	September to December	Open Eucalypt and Banksia woodland and in open, low scrub over heath, on steep slopes of lateritic gravel, clay or sandy loam near granite outcrops and creeklines	Unlikely to occur
<i>Meionectes tenuifolia</i>	-	Priority 3		Grey clay. Swamp	Unlikely to occur
<i>Myriophyllum echinatum</i>	-	Priority 3	November	Clay. Winter - wet flats	Unlikely to occur

Species	Conservation Status		Flowering Period	Preferred Habitat	Likelihood of Occurrence
	Commonwealth	State			
<i>Phlebocarya pilosissima</i> subsp. <i>pilosissima</i>		Priority 3	August to October	White or grey sand, lateritic gravel.	Unlikely to occur
<i>Schoenus capillifolius</i>	-	Priority 3	October to November	Brown mud. Claypans	Unlikely to occur
<i>Schoenus</i> sp. Waroona (G.J. Keighery 12235)	-	Priority 3	October to November	Clay or sandy clay. Winter wet flats	Unlikely to occur
<i>Stylidium paludicola</i>	-	Priority 3	October to December	Peaty sand over clay. Winter wet habitats. Marri and Melaleuca woodland, Melaleuca shrubland	Unlikely to occur
<i>Stylidium trudgenii</i>	-	Priority 3		Grey sand, dark grey to black sandy peat. Margins of winter wet swamps, depressions	May occur
<i>Centrolepis caespitosa</i>	Threatened - Endangered	Priority 4	October to December	White sand, clay. Salt flats, wet areas	Unlikely to occur
<i>Darwinia pimelioides</i>	-	Priority 4	September to October	Loam, sandy loam. Granite outcrops	Unlikely to occur
<i>Drosera occidentalis</i> subsp. <i>occidentalis</i>	-	Priority 4	November to December	Sandy and clayey soils. Swamps and wet depressions	Unlikely to occur
<i>Hydrocotyle lemnoides</i>	-	Priority 4	August to October	Swamps	Unlikely to occur
<i>Hypolaena robusta</i>	-	Priority 4	September to October	White sand. Sandplains	May occur
<i>Stylidium longitubum</i>	-	Priority 4	October to December	Sandy clay, clay. Seasonal wetlands	Unlikely to occur

Species	Conservation Status		Flowering Period	Preferred Habitat	Likelihood of Occurrence
	Commonwealth	State			
<i>Thysanotus glaucus</i>	-	Priority 4	October to December or January to March	White, grey or yellow sand, sandy gravel	May occur
<i>Tripterococcus</i> sp. <i>Brachylobus</i> (A.S. George 14234)	-	Priority 4	October to November.	Grey, black or peaty sand. Winter - wet flats	Unlikely to occur
<i>Verticordia lindleyi</i> subsp. <i>lindleyi</i>	-	Priority 4	May or November to December or January	Sand, sandy clay. Winter wet depressions	Unlikely to occur

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Appendix B

Conservation Categories

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Appendix B Conservation Categories

Western Australia

Department of Parks and Wildlife (DPAW) 2015 Conservation Codes for Western Australian Flora and Fauna. Department of Parks and Wildlife, Perth, WA.

Plants and animals that are considered threatened and need to be specially protected because they are under identifiable threat of extinction are listed under the *Wildlife Conservation Act (WC Act)*. These categories are defined in Table 1.

Species that have not yet been adequately surveyed to warrant being listed under Schedule 1 or 2 are added to the Priority Flora or Fauna Lists under Priority 1, 2 or 3. Species that are adequately known, are rare but not threatened, or meet criteria for Near Threatened, or that have been recently removed from the threatened list for other than taxonomic reasons, are placed in Priority 4 and require regular monitoring. Conservation Dependent species and ecological communities are placed in Priority 5. Categories and definitions of Priority Flora and Fauna species are provided in Table 2.

Table 15 Conservation codes for WA flora and fauna listed under the *Wildlife Conservation Act 1950* updated November 2015

Conservation Code	Category
T	<p>Threatened species</p> <p>Published as Specially Protected under the Wildlife Conservation Act 1950, and listed under Schedules 1 to 4 of the Wildlife Conservation (Specially Protected Fauna) Notice for Threatened Fauna and Wildlife Conservation (Rare Flora) Notice for Threatened Flora (which may also be referred to as Declared Rare Flora).</p> <p>Threatened fauna is that subset of 'Specially Protected Fauna' declared to be 'likely to become extinct' pursuant to section 14(4) of the Wildlife Conservation Act. Threatened fauna is listed under seven schedules:</p> <ul style="list-style-type: none"> - Schedule 1, being fauna that is rare or likely to become extinct, as critically endangered fauna, are declared to be fauna that is in need of special protection - Schedule 2, being fauna that is rare or likely to become extinct, as endangered fauna, are declared to be fauna that is in need of special protection - Schedule 3, being fauna that is rare or likely to become extinct, as vulnerable fauna, are declared to be fauna that is in need of special protection - Schedule 4, being fauna that is presumed to be extinct, are declared to be fauna that is in need of special protection - Schedule 5, being birds that are subject to international agreements relating to the protection of migratory birds, are declared to be fauna that is in need of special protection - Schedule 6, being fauna that are of special conservation need being species dependent on ongoing conservation intervention, are declared to be fauna that is in need of special protection - Schedule 7, are declared to be fauna that is in need of special protection, otherwise than for the reasons mentioned in other schedules. <p>Threatened flora is flora that has been declared to be 'likely to become extinct or is rare, or otherwise in need of special protection', pursuant to section 23F(2) of the Wildlife Conservation Act. Threatened flora is listed under four schedules:</p> <ul style="list-style-type: none"> - Schedule 1: Flora that is rare or likely to become extinct as critically endangered flora (CR) - Schedule 2: Flora that is rare or likely to become extinct as endangered flora (EN)

Conservation Code	Category
	<ul style="list-style-type: none"> - Schedule 3: Flora that is rare or likely to become extinct as vulnerable flora (VU) - Schedule 4: Flora presumed to be extinct (EX) <p>The assessment of the conservation status of these species is based on their national extent and ranked according to their level of threat using IUCN Red List categories and criteria as detailed below.</p>
CR	<p>Critically endangered species</p> <p>Threatened species considered to be facing an extremely high risk of extinction in the wild. Published as Specially Protected under the Wildlife Conservation Act 1950, in Schedule 1 of the Wildlife Conservation (Specially Protected Fauna) Notice for Threatened Fauna and Wildlife Conservation (Rare Flora) Notice for Threatened Flora.</p>
EN	<p>Endangered species</p> <p>Threatened species considered to be facing a very high risk of extinction in the wild. Published as Specially Protected under the Wildlife Conservation Act 1950, in Schedule 2 of the Wildlife Conservation (Specially Protected Fauna) Notice for Threatened Fauna and Wildlife Conservation (Rare Flora) Notice for Threatened Flora.</p>
VU	<p>Vulnerable species</p> <p>Threatened species considered to be facing a high risk of extinction in the wild. Published as Specially Protected under the Wildlife Conservation Act 1950, in Schedule 3 of the Wildlife Conservation (Specially Protected Fauna) Notice for Threatened Fauna and Wildlife Conservation (Rare Flora) Notice for Threatened Flora.</p>
EX	<p>Presumed extinct species</p> <p>Species which have been adequately searched for and there is no reasonable doubt that the last individual has died. Published as Specially Protected under the Wildlife Conservation Act 1950, in Schedule 4 of the Wildlife Conservation (Specially Protected Fauna) Notice for Presumed Extinct Fauna and Wildlife Conservation (Rare Flora) Notice for Presumed Extinct Flora.</p>
IA	<p>Migratory birds protected under an international agreement</p> <p>Birds that are subject to an agreement between the government of Australia and the governments of Japan (JAMBA), China (CAMBA) and The Republic of Korea (ROKAMBA), and the Bonn Convention, relating to the protection of migratory birds. Published as Specially Protected under the Wildlife Conservation Act 1950, in Schedule 5 of the Wildlife Conservation (Specially Protected Fauna) Notice.</p>

Table 16 Conservation codes for WA flora and fauna (DPaW 2014)

Conservation Code	Category
P1	<p>Priority One – Poorly Known Species</p> <p>Species that are known from one or a few collections or sight records (generally less than five), all on lands not managed for conservation, e.g. agricultural or pastoral lands, urban areas, Shire, Westrail and Main Roads WA road, gravel and soil reserves, and active mineral leases and under threat of habitat destruction or degradation. Species may be included if they are comparatively well known from one or more localities but do not meet adequacy of survey requirements and appear to be under immediate threat from known threatening processes.</p>
P2	<p>Priority Two – Poorly Known Species</p> <p>Species that are known from one or a few collections or sight records, some of which are on lands not under imminent threat of habitat destruction or degradation, e.g. national parks, conservation parks, nature reserves, State forest, vacant Crown land, water reserves, etc. Species may be included if they are comparatively well known from one or more localities but do not meet adequacy of survey requirements and appear to be under threat from known threatening processes.</p>
P3	<p>Priority Three – Poorly Known Species</p> <p>Species that are known from collections or sight records from several localities not under imminent threat, or from few but widespread localities with either large population size or significant remaining areas of apparently suitable habitat, much of it not under imminent threat. Species may be included if they are comparatively well known from several localities but do not meet adequacy of survey requirements and known threatening processes exist that could affect them.</p>
P4	<p>Priority Four – Rare, Near Threatened and other species in need of monitoring</p> <p>a) Rare. Species that are considered to have been adequately surveyed, or for which sufficient knowledge is available, and that are considered not currently threatened or in need of special protection, but could be if present circumstances change. These species are usually represented on conservation lands.</p> <p>b) Near Threatened. Species that are considered to have been adequately surveyed and that do not qualify for Conservation Dependent, but that are close to qualifying for Vulnerable.</p> <p>c) (c) Species that have been removed from the list of threatened species during the past five years for reasons other than taxonomy.</p>
P5	<p>Priority Five: Conservation Dependent species</p> <p>Species that are not threatened but are subject to a specific conservation program, the cessation of which would result in the species becoming threatened within five years.</p>

State listed Threatened Ecological Communities (TECs) are not protected under any legislation, rather they are endorsed by the Environment Minister. Categories of TECs are defined in Table 17. Priority Ecological Communities (PECs) are endorsed by the Environment Minister as having insufficient information available to be considered a TEC, or which are rare but not currently threatened. Categories are described in Table 18.

Table 17 Conservation codes for state-listed Threatened Ecological Communities

Conservation Code	Category
PD	<p>Presumed Totally Destroyed</p> <p>An ecological community that has been adequately searched for but for which no representative occurrences have been located. The community has been found to be totally destroyed or so extensively modified throughout its range that no occurrence of it is likely to recover its species composition and/or structure in the foreseeable future.</p> <p>An Ecological community will be listed as presumed totally destroyed if there are no recent records of the community being extant and either of the following applies (A or B):</p> <p>A) Records within the last 50 years have not been confirmed despite thorough searches of known or likely habitats or</p> <p>B) All occurrences recorded within the last 50 years have since been destroyed</p>
CR	<p>Critically Endangered</p> <p>An ecological community that has been adequately surveyed and found to have been subject to a major contraction in area and/or that was originally of limited distribution and is facing severe modification or destruction throughout its range in the immediate future, or is already severely degraded throughout its range but capable of being substantially restored or rehabilitated.</p> <p>An ecological community will be listed as Critically Endangered when it has been adequately surveyed and is found to be facing an extremely high risk of total destruction in the immediate future. This will be determined on the basis of the best available information, by it meeting any one or more of the following criteria (A, B or C):</p> <p>A) The estimated geographic range, and/or total area occupied, and/or number of discrete occurrences since European settlement have been reduced by at least 90% and either or both of the following apply (i or ii):</p> <ol style="list-style-type: none"> i. geographic range, and/or total area occupied and/or number of discrete occurrences are continuing to decline such that total destruction of the community is imminent (within approximately 10 years); ii. modification throughout its range is continuing such that in the immediate future (within approximately 10 years) the community is unlikely to be capable of being substantially rehabilitated. <p>B) Current distribution is limited, and one or more of the following apply (i, ii or iii):</p> <ol style="list-style-type: none"> i. geographic range and/or number of discrete occurrences, and/or area occupied is highly restricted and the community is currently subject to known threatening processes which are likely to result in total destruction throughout its range in the immediate future (within approximately 10 years); ii. there are very few occurrences, each of which is small and/or isolated and extremely vulnerable to known threatening processes; iii. there may be many occurrences but total area is very small and each occurrence is small and/or isolated and extremely vulnerable to known threatening processes. <p>C) The ecological community exists only as highly modified occurrences that may be capable of being rehabilitated if such work begins in the immediate future (within approximately 10 years).</p>
EN	<p>Endangered</p> <p>An ecological community that has been adequately surveyed and found to have been subject to a major contraction in area and/or was originally of limited distribution and is in danger of significant modification throughout its range or severe modification or destruction over most of its range in the near future.</p> <p>An ecological community will be listed as Endangered when it has been adequately surveyed and is not Critically Endangered but is facing a very high risk of total destruction in the near future. This will be determined on the basis of the best available information by it meeting any one or more of the following criteria (A, B, or C).</p>

Conservation Code	Category
	<p>A) The geographic range, and/or total area occupied, and/or number of discrete occurrences since European settlement have been reduced by at least 70% and either or both of the following apply (i or ii):</p> <ol style="list-style-type: none"> i. the estimated geographic range, and/or total area occupied and/or number of discrete occurrences are continuing to decline such that total destruction of the community is imminent (within approximately 20 years); ii. modification throughout its range is continuing such that in the immediate future (within approximately 20 years) the community is unlikely to be capable of being substantially rehabilitated. <p>B) Current distribution is limited, and one or more of the following apply (i, ii or iii):</p> <ol style="list-style-type: none"> i. geographic range and/or number of discrete occurrences, and/or area occupied is highly restricted and the community is currently subject to known threatening processes which are likely to result in total destruction throughout its range in the immediate future (within approximately 20 years); ii. there are very few occurrences, each of which is small and/or isolated and extremely vulnerable to known threatening processes; iii. there may be many occurrences but total area is very small and each occurrence is small and/or isolated and extremely vulnerable to known threatening processes. <p>The ecological community exists only as highly modified occurrences that may be capable of being rehabilitated if such work begins in the immediate future (within approximately 20 years).</p>
VU	<p>Vulnerable</p> <p>An ecological community that has been adequately surveyed and is found to be declining and/or has declined in distribution and/or condition and whose ultimate security has not yet been assured and/or a community that is still widespread but is believed likely to move into a category of higher threat in the near future if threatened processes continue or begin operating throughout its range.</p> <p>An ecological community will be listed as Vulnerable when it has been adequately surveyed and is not Critically Endangered or Endangered but is facing a high risk of total destruction or significant modification in the medium to long-term future. This will be determined on the basis of the best available information by it meeting any one or more of the following criteria (A, B, or C).</p> <ol style="list-style-type: none"> A) The ecological community exists largely as modified occurrences that are likely to be capable of being substantially restored or rehabilitated. B) The ecological community may already be modified and would be vulnerable to threatening processes, is restricted in area and/or range and/or is only found at a few locations. C) The ecological community may be still widespread but is believed likely to move into a category of higher threat in the medium or long term future because of existing or impending threatening processes.

Table 18 Categories for Priority Ecological Communities

Conservation	Code Category
P1	<p>Priority One: poorly-known ecological communities</p> <p>Ecological communities that are known from very few occurrences with a very restricted distribution (generally ≤ 5 occurrences or a total area of ≤ 100ha). Occurrences are believed to be under threat either due to limited extent, or being on lands under immediate threat (e.g. within agricultural or pastoral lands, urban areas, active mineral leases) or for which current threats exist. May include communities with occurrences on protected lands. Communities may be included if they are comparatively well-known from one or more localities but do not meet adequacy of survey requirements, and/or are not well defined, and appear to be under immediate threat from known threatening processes across their range.</p>
P2	<p>Priority Two: poorly-known ecological communities</p> <p>Communities that are known from few occurrences with a restricted distribution (generally ≤ 10 occurrences or a total area of ≤ 200ha). At least some occurrences are not believed to be under immediate threat of destruction or degradation. Communities may be included if they are comparatively well known from one or more localities but do not meet adequacy of survey requirements, and/or are not well defined, and appear to be under threat from known threatening processes.</p>
P3	<p>Priority Three: poorly known ecological communities</p> <ol style="list-style-type: none"> i. Communities that are known from several to many occurrences, a significant number or area of which are not under threat of habitat destruction or degradation ii. communities known from a few widespread occurrences, which are either large or with significant remaining areas of habitat in which other occurrences may occur, much of it not under imminent threat iii. communities made up of large, and/or widespread occurrences, that may or may not be represented in the reserve system, but are under threat of modification across much of their range from processes such as grazing by domestic and/or feral stock, and inappropriate fire regimes. <p>Communities may be included if they are comparatively well known from several localities but do not meet adequacy of survey requirements and/or are not well defined, and known threatening processes exist that could affect them.</p>
P4	<p>Priority Four: ecological communities that are adequately known, rare but not threatened or meet criteria for Near Threatened, or that have been recently removed from the threatened list. These communities require regular monitoring.</p> <ol style="list-style-type: none"> i. Rare. Ecological communities known from few occurrences that are considered to have been adequately surveyed, or for which sufficient knowledge is available, and that are considered not currently threatened or in need of special protection, but could be if present circumstances change. These communities are usually represented on conservation lands. ii. Near Threatened. Ecological communities that are considered to have been adequately surveyed and that do not qualify for Conservation Dependent, but that are close to qualifying for Vulnerable. iii. Ecological communities that have been removed from the list of threatened communities during the past five years.
P5	<p>Priority Five: Conservation Dependent ecological communities.</p> <p>Ecological communities that are not threatened but are subject to a specific conservation program, the cessation of which would result in the community becoming threatened within five years.</p>

Commonwealth

The *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act) is Australia's central piece of environmental legislation which provides for the listing of nationally Threatened native species and ecological communities, native migratory species and marine species.

Threatened fauna and flora may be listed in any one of seven categories as defined in Section 179 of the EPBC Act. These categories are defined in Table 19.

Table 19 Categories of Species Listed under Schedule 179 of the EPBC Act 1999 [Commonwealth]

Conservation	Code Category
Ex	Extinct Taxa which at a particular time if, at that time, there is no reasonable doubt that the last member of the species has died.
ExW	Extinct in the Wild Taxa which is known only to survive in cultivation, in captivity or as a naturalised population well outside its past range; or it has not been recorded in its known and/or expected habitat, at appropriate seasons, anywhere in its past range, despite exhaustive surveys over a time frame appropriate to its life cycle and form.
CE	Critically Endangered Taxa which at a particular time if, at that time, it is facing an extremely high risk of extinction in the wild in the immediate future, as determined in accordance with the prescribed criteria.
E	Endangered Taxa which is not critically endangered and it is facing a very high risk of extinction in the wild in the immediate or near future, as determined in accordance with the prescribed criteria.
V	Vulnerable Taxa which is not critically endangered or endangered and is facing a high risk of extinction in the wild in the medium-term future, as determined in accordance with the prescribed criteria.
CD	Conservation Dependent Taxa which at a particular time if, at that time: <ol style="list-style-type: none"> a) the species is the focus of a specific conservation program the cessation of which would result in the species becoming vulnerable, endangered or critically endangered b) the following subparagraphs are satisfied: <ol style="list-style-type: none"> i. the species is a species of fish ii. the species is the focus of a plan of management that provides for management actions necessary to stop the decline of, and support the recovery of, the species so that its chances of long term survival in nature are maximised iii. the plan of management is in force under a law of the Commonwealth or of a State or Territory iv. cessation of the plan of management would adversely affect the conservation status of the species.

Communities can be classified as TECs under the *Environment Protection and Biodiversity Conservation Act 1999* (the EPBC Act). The EPBC Act protects Australia's ecological communities by providing for:

- Identification and listing of ecological communities as threatened
- Development of conservation advice and recovery plans for listed ecological communities
- Recognition of key threatening processes
- Where appropriate, reducing the impact of these processes through threat abatement plans.

Categories of federally listed TECs are described in Table 20.

Table 20 Categories of TECs that are listed under the EPBC Act

Conservation Code	Category
CE	Critically Endangered If, at that time, it is facing an extremely high risk of extinction in the wild in the immediate future.
E	Endangered If, at that time, it is not critically endangered and is facing a very high risk of extinction in the wild in the near future.
V	Vulnerable If, at that time, it is not critically endangered or endangered, and is facing a high risk of extinction in the wild in the medium-term future.

Appendix C

Vascular Plant Species Recorded during Field Survey, 2015

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Appendix C Vascular Plant Species Recorded during Field Survey, 2015

Family	Significance	Species
Aizoaceae		* <i>Carpobrotus edulis</i>
Araceae	DP	* <i>Zantedeschia aethiopica</i>
Asparagaceae	DP	* <i>Asparagus asparagoides</i>
Asparagaceae		<i>Lomandra caespitosa</i>
Asteraceae		* <i>Arctotheca calendula</i>
Asteraceae		* <i>Conyza</i> sp.
Asteraceae		* <i>Hypochaeris glabra</i>
Asteraceae		<i>Podolepis gracilis</i>
Asteraceae		<i>Podotheca gnaphalioides</i>
Asteraceae		* <i>Sonchus oleraceus</i>
Asteraceae		* <i>Ursinia anthemoides</i>
Boraginaceae	DP	* <i>Echium plantagineum</i>
Brassicaceae		* <i>Brassica</i> sp.
Casuarinaceae		<i>Allocasuarina fraseriana</i>
Casuarinaceae		<i>Casuarina obesa</i>
Colchicaceae		<i>Burchardia congesta</i>
Cucurbitaceae		* <i>Citrullus lanatus</i>
Cyperaceae		? <i>Schoenoplectus pungens</i>
Cyperaceae		<i>Baumea articulata</i>
Cyperaceae		<i>Bolboschoenus caldwellii</i>
Cyperaceae		<i>Cyathochaeta avenacea</i>
Cyperaceae		<i>Cyperaceae</i> sp.
Cyperaceae		* <i>Cyperus congestus</i>
Cyperaceae		* <i>Cyperus polystachyos</i>
Cyperaceae		* <i>Cyperus papyrus</i>
Cyperaceae		<i>Lepidosperma ?longitudinale</i>
Cyperaceae		<i>Lepidosperma longitudinale</i>
Dasypogonaceae		<i>Dasypogon bromeliifolius</i>
Dennstaedtiaceae		<i>Pteridium esculentum</i>

Family	Significance	Species
Dilleniaceae		<i>Hibbertia hypericoides</i>
Dilleniaceae		<i>Hibbertia racemosa</i>
Ericaceae		<i>Leucopogon verticillatus</i>
Euphorbiaceae		* <i>Euphorbia</i> sp.
Euphorbiaceae		* <i>Ricinus communis</i>
Fabaceae		<i>Acacia blakelyi</i>
Fabaceae		<i>Acacia huegelii</i>
Fabaceae		<i>Acacia pulchella</i>
Fabaceae		<i>Acacia saligna</i>
Fabaceae		<i>Aotus gracillima</i>
Fabaceae		<i>Fabaceae</i> sp.
Fabaceae		<i>Gompholobium</i> sp.
Fabaceae		<i>Jacksonia furcellata</i>
Fabaceae		<i>Jacksonia sternbergiana</i>
Fabaceae		<i>Kennedia coccinea</i>
Fabaceae		<i>Kennedia prostrata</i>
Fabaceae		* <i>Lotus subbiflorus</i>
Fabaceae		* <i>Lupinus angustifolius</i>
Fabaceae		* <i>Medicago</i> sp.
Fabaceae		<i>Sphaerolobium vimineum</i>
Fabaceae		* <i>Trifolium angustifolium</i> var. <i>angustifolium</i>
Fabaceae		<i>Viminaria juncea</i>
Geraniaceae		* <i>Erodium botrys</i>
Geraniaceae		* <i>Pelargonium capitatum</i>
Haemodoraceae		<i>Anigozanthos humilis</i>
Haemodoraceae		<i>Conostylis aculeata</i>
Haemodoraceae		<i>Haemodorum laxum</i>
Haemodoraceae		<i>Haemodorum spicatum</i>
Hemerocallidaceae		<i>Tricoryne elatior</i>
Iridaceae		* <i>Gladiolus caryophyllaceus</i>
Iridaceae		Iridaceae sp.

Family	Significance	Species
Iridaceae	DP	* <i>Moraea miniata</i>
Iridaceae		<i>Orthrosanthus laxus</i>
Iridaceae		<i>Patersonia juncea</i>
Iridaceae		<i>Patersonia occidentalis</i>
Juncaceae		<i>Juncus pallidus</i>
Lamiaceae		* <i>Lavandula stoechas</i>
Loranthaceae		<i>Nuytsia floribunda</i>
Marsileaceae		<i>Marsilea drummondii</i>
Menyanthaceae		<i>Ornduffia albiflora</i>
Moraceae		* <i>Ficus carica</i>
Molluginaceae		<i>Macarthuria australis</i>
Myrtaceae		<i>Agonis flexuosa</i> (Willd.) Sweet
Myrtaceae		<i>Astartea scoparia</i>
Myrtaceae		<i>Calothamnus quadrifidus</i> subsp. <i>quadrifidus</i>
Myrtaceae		<i>Calytrix angulata</i>
Myrtaceae		<i>Corymbia calophylla</i>
Myrtaceae		<i>Eucalyptus marginata</i>
Myrtaceae		<i>Eucalyptus patens</i>
Myrtaceae		<i>Eucalyptus rudis</i>
Myrtaceae		<i>Eucalyptus</i> sp. 1 (planted)
Myrtaceae		<i>Eucalyptus</i> sp. 2 (planted)
Myrtaceae		<i>Hypocalymma robustum</i>
Myrtaceae		<i>Kunzea micrantha</i> subsp. <i>micrantha</i>
Myrtaceae		* <i>Leptospermum laevigatum</i>
Myrtaceae		<i>Melaleuca preissiana</i>
Myrtaceae		<i>Melaleuca raphiophylla</i>
Myrtaceae		<i>Regelia ciliata</i>
Myrtaceae		<i>Regelia inops</i>
Myrtaceae		<i>Taxandria linearifolia</i>
Oleaceae		* <i>Olea europaea</i>
Onagraceae		* <i>Oenothera jamesii</i>

Family	Significance	Species
Orchidaceae		<i>Microtis media</i> subsp. <i>media</i>
Orobanchaceae		* <i>Orobanche minor</i>
Phyllanthaceae		? <i>Phyllanthus calycinus</i>
Pinaceae		* <i>Pinus pinaster</i>
Poaceae		* <i>Aira caryophyllea</i>
Poaceae		<i>Austrostipa compressa</i>
Poaceae		* <i>Avena barbata</i>
Poaceae		* <i>Briza maxima</i>
Poaceae		* <i>Briza minor</i>
Poaceae		* <i>Bromus diandrus</i>
Poaceae		* <i>Cynodon dactylon</i>
Poaceae		* <i>Ehrharta calycina</i>
Poaceae		* <i>Ehrharta longiflora</i>
Poaceae		* <i>Holcus lanatus</i>
Poaceae		* <i>Hordeum leporinum</i>
Poaceae		* <i>Lagurus ovatus</i>
Poaceae		* <i>Lolium rigidum</i>
Poaceae		* <i>Paspalum dilatatum</i>
Poaceae		* <i>Pentameris pallida</i>
Poaceae		* <i>Vulpia myuros</i>
Primulaceae		* <i>Lysimachia arvensis</i>
Proteaceae		<i>Adenanthos cygnorum</i> subsp. <i>cygnorum</i>
Proteaceae		<i>Banksia attenuata</i>
Proteaceae		<i>Banksia littoralis</i>
Proteaceae		<i>Banksia menziesii</i>
Proteaceae		<i>Grevillea preissii</i> subsp. <i>preissii</i>
Proteaceae		<i>Hakea prostrata</i>
Proteaceae		<i>Hakea varia</i>
Proteaceae		<i>Petrophile linearis</i>
Restionaceae		<i>Alexgeorgea nitens</i>
Restionaceae		<i>Chordifex</i> sp.

Family	Significance	Species
Restionaceae		<i>Desmocladius fasciculatus</i>
Restionaceae		<i>Dielsia stenostachya</i>
Rutaceae		<i>Philotheca spicata</i>
Solanaceae		* <i>Solanum nigrum</i>
Stylidiaceae		<i>Stylidium repens</i>
Typhaceae		* <i>Typha orientalis</i>
Xanthorrhoeaceae		<i>Xanthorrhoea preissii</i>

DP indicates Declared Pest

**indicates a weed species*

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Appendix D

Introduced (Weed) Species Recorded during Field Survey, 2015

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Appendix D Introduced (Weed) Species Recorded during Field Survey, 2015

Significance	Confirmed Name	Common Name	EWSWA Rating [^]	Swan Priority Rating [^]
	<i>*Aira caryophylla</i>	Silvery Hair Grass		FAR
	<i>*Arctotheca calendula</i>	Cape Weed	Moderate	H
DP	<i>*Asparagus asparagoides</i>	Bridal Creeper	High	VH
	<i>*Avena barbata</i>	Bearded Oat		VH
	<i>*Brassica sp.</i>			
	<i>*Briza maxima</i>	Blowfly Grass		FAR
	<i>*Briza minor</i>	Shivery Grass		FAR
	<i>*Bromus diandrus</i>	Great Brome	High	VH
	<i>*Carpobrotus edulis</i>	Hottentot Fig	Moderate	M/H
	<i>*Citrullus lanatus</i>	Pie Melon		U
	<i>*Conyza sp.</i>			
	<i>*Cynodon dactylon</i>	Couch		VH
	<i>*Cyperus congestus</i>	Dense Flat-sedge	Moderate	M
	<i>*Cyperus polystachyos</i>	Bunchy Sedge	n/a	L
	<i>*Cyperus papyrus</i>		Low	U
DP	<i>*Echium plantagineum</i>	Paterson's Curse	n/a	H
	<i>*Ehrharta calycina</i>	Veld Grass, Perennial Veld Grass	High	VH
	<i>*Ehrharta longiflora</i>	Annual Veldgrass		FAR
	<i>*Erodium botrys</i>	Long Storksbill	Low	FAR
	<i>*Euphorbia sp.</i>			
	<i>*Ficus carica</i>	Common Fig		H
	<i>*Gladiolus caryophyllaceus</i>	Wild Gladiolus	Moderate	FAR/H
	<i>*Holcus lanatus</i>	Yorkshire Fog		H
	<i>*Hordeum leporinum</i>	Barley Grass		H
	<i>*Hypochoeris glabra</i>	Smooth Cat's Ear		H
	<i>*Lagurus ovatus</i>	Hares Tail Grass	High	H
	<i>*Lavandula stoechas</i>	Italian Lavender		FAR

Significance	Confirmed Name	Common Name	EWSWA Rating [^]	Swan Priority Rating [^]
	<i>*Leptospermum laevigatum</i>	Coast Teatree	High	VH
	<i>*Lolium rigidum</i>	Annual Rye Grass		U
	<i>*Lotus subbiflorus</i>			U
	<i>*Lupinus angustifolius</i>	Narrowleaf Lupin		U
	<i>*Lysimachia arvensis</i>	Pimpernel		
	<i>*Medicago sp.</i>			
DP	<i>*Moraea miniata</i>	Two-leaf Cape Tulip		FAR
	<i>*Oenothera jamesii</i>			L
	<i>*Olea europaea</i>	Olive	Moderate	H
	<i>*Orobancha minor</i>	Lesser Broomrape		FAR
	<i>*Paspalum dilatatum</i>			H
	<i>*Pelargonium capitatum</i>	Rose Pelargonium	High	M/H
	<i>*Pentameris pallida</i>			
	<i>*Pinus pinaster</i>	Pinaster Pine		FAR
	<i>*Ricinus communis</i>	Castor Oil Plant	Low	U
	<i>*Solanum nigrum</i>	Black Nightshade, Blackberry Nightshade		M
	<i>*Sonchus oleraceus</i>	Common Sowthistle		FAR
	<i>*Typha orientalis</i>	Bulrush	High	VH
	<i>*Trifolium angustifolium</i> var. <i>angustifolium</i>	Narrowleaf Clover		FAR
	<i>*Ursinia anthemoides</i>	Ursinia		M
	<i>*Vulpia myuros</i>	Rat's Tail Fescue		H
DP	<i>*Zantedeschia aethiopica</i>	Arum Lily	High	VH

DP indicates a Declared Pest

[^]Source: Bettink and Keighery (2008)


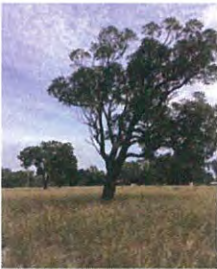












Appendix E


Black Cockatoo Potential Breeding Habitat

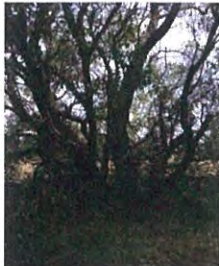
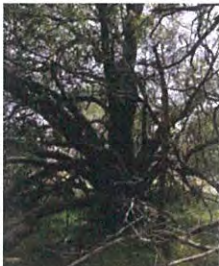

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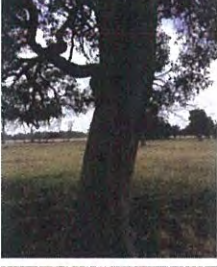


Appendix E
Black Cockatoo
Potential Breeding
Habitat Trees

ID	Long	Lat	Location Map	Tree Species	Comments	Tree Photo
1	-31.863325	115.966744		<i>Eucalyptus rudis</i>	0 Hollows.	
2	-31.862579	115.964395		<i>Corymbia calophylla</i>	0 Hollows.	
3	-31.859559	115.965541		<i>Eucalyptus rudis</i>	0 Hollows.	
4	-31.859482	115.965591		<i>Eucalyptus rudis</i>	0 Hollows.	
5	-31.859523	115.965636		<i>Eucalyptus rudis</i>	0 Hollows.	
6	-31.856249	115.967404		<i>Eucalyptus patens</i>	0 Hollows.	
7	-31.851071	115.966638		<i>Eucalyptus marginata</i>	0 Hollows.	

8	-31.850926	115.966400		<i>Eucalyptus marginata</i>	0 Hollows.	
9	-31.850370	115.966841		<i>Corymbia calophylla</i>	0 Hollows.	
10	-31.850339	115.966683		<i>Corymbia calophylla</i>	0 Hollows.	
11	-31.850016	115.967108		<i>Eucalyptus marginata</i>	0 Hollows.	
12	-31.849713	115.967035		<i>Eucalyptus marginata</i>	1 Hollow. 5cm diameter. Bees on trunk.	
13	-31.849467	115.966798		<i>Eucalyptus marginata</i>	0 Hollows.	
14	-31.849599	115.966540		<i>Eucalyptus marginata</i>	0 Hollows.	

15	-31.849570	115.966491		<i>Eucalyptus gomphocephala</i>	0 Hollows.	
16	-31.849570	115.966491		<i>Eucalyptus gomphocephala</i>	0 Hollows.	
17	-31.849401	115.966415		<i>Eucalyptus marginata</i>	0 Hollows.	
18	-31.848769	115.966277		<i>Corymbia calophylla</i>	0 Hollows.	
19	-31.847220	115.966796		<i>Eucalyptus rudis</i>	0 Hollows.	
20	-31.847288	115.967003		<i>Eucalyptus rudis</i>	0 Hollows.	
21	-31.847315	115.966914		<i>Eucalyptus rudis</i>	0 Hollows.	

22	-31.847209	115.967090		<i>Eucalyptus rudis</i>	0 Hollows.	
23	-31.847141	115.967195		<i>Eucalyptus rudis</i>	0 Hollows.	
24	-31.847131	115.967213		<i>Eucalyptus rudis</i>	0 Hollows.	
25	-31.846973	115.966387		<i>Eucalyptus rudis</i>	0 Hollows.	
26	-31.845800	115.966535		<i>Eucalyptus rudis</i>	3 Hollows. 5cm diameter.	
27	-31.845734	115.966488		<i>Eucalyptus rudis</i>	0 Hollows.	
28	-31.845847	115.966191		<i>Eucalyptus rudis</i>	1 Hollow. 5cm diameter.	

29	-31.845834	115.966163		<i>Eucalyptus rudis</i>	0 Hollows	
30	-31.844466	115.966477		<i>Eucalyptus rudis</i>	0 Hollows	
31	-31.844366	115.966538		<i>Eucalyptus rudis</i>	0 Hollows	
32	-31.844178	115.966618		<i>Eucalyptus rudis</i>	0 Hollows	
33	-31.843375	115.966811		<i>Corymbia calophylla</i>	0 Hollows	
34	-31.843361	115.966823		<i>Corymbia calophylla</i>	0 Hollows	
35	-31.844615	115.967016		<i>Eucalyptus rudis</i>	0 Hollows	

36	-31.844900	115.966896		<i>Eucalyptus rudis</i>	0 Hollows.	
37	-31.845026	115.966862		<i>Eucalyptus rudis</i>	0 Hollows.	
38	-31.838764	115.965329		<i>Eucalyptus rudis</i>	0 Hollows.	
39	-31.839050	115.965626		<i>Eucalyptus rudis</i>	0 Hollows.	
40	-31.838912	115.965605		<i>Eucalyptus rudis</i>	0 Hollows.	
41	-31.838828	115.965587		<i>Eucalyptus rudis</i>	0 Hollows.	
42	-31.838824	115.965568		<i>Eucalyptus rudis</i>	0 Hollows.	

43	-31.838823	115.965543		<i>Eucalyptus rudis</i>	0 Hollows	
44	-31.838675	115.965679		<i>Eucalyptus rudis</i>	0 Hollows	
45	-31.838749	115.965952		<i>Eucalyptus rudis</i>	0 Hollows	
46	-31.835432	115.965941		<i>Eucalyptus rudis</i>	0 Hollows	
47	-31.833970	115.963221		<i>Corymbia calophylla</i>	0 Hollows	
48	-31.832558	115.962507		<i>Corymbia calophylla</i>	0 Hollows	
49	-31.832216	115.962319		<i>Corymbia calophylla</i>	0 Hollows	

50 -31 831961 115 962851



Corymbia calophylla

0 Hollows



51 -31 832039 115 962851



Corymbia calophylla

0 Hollows



52 -31 831916 115 962919



Corymbia calophylla

0 Hollows



53 -31 831923 115 963006



Corymbia calophylla

0 Hollows



54 -31 831942 115 963023



Corymbia calophylla

0 Hollows

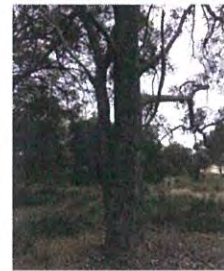


55 -31 830868 115 962704



Corymbia calophylla

0 Hollows

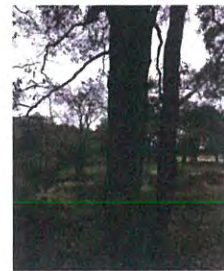


56 -31 830910 115 962650



Corymbia calophylla

0 Hollows



57 -31.830899 115.962523



Corymbia calophylla

0 Hollows.



58 -31.830598 115.962476



Corymbia calophylla

0 Hollows.



59 -31.830245 115.962320



Corymbia calophylla

0 Hollows.

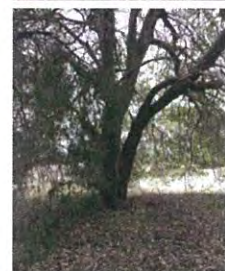


60 -31.830246 115.962261



Corymbia calophylla

0 Hollows.



61 -31.827694 115.962076



Corymbia calophylla

0 Hollows.



62 -31.827446 115.962265



Corymbia calophylla

0 Hollows.



63 -31.826793 115.962344



Corymbia calophylla

0 Hollows.

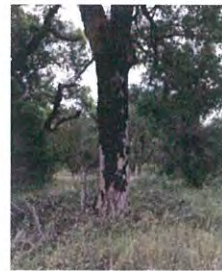


64 -31.826866 115.962178



Corymbia calophylla

0 Hollows



65 -31.830314 115.962995



Corymbia calophylla

0 Hollows



66 -31.832029 115.963882



Corymbia calophylla

0 Hollows



67 -31.833093 115.964765



Eucalyptus rudis

0 Hollows



68 -31.820474 115.962611



Corymbia calophylla

0 Hollows



69 -31.813639 115.963061



Corymbia calophylla

0 Hollows

















70 -31.813849 115.962938



Corymbia calophylla





0 Hollows

















71	-31.813991	115.962745		<i>Corymbia calophylla</i>	0 Hollows	
72	-31.814529	115.962920		<i>Corymbia calophylla</i>	0 Hollows	
73	-31.814640	115.962906		<i>Corymbia calophylla</i>	0 Hollows	
74	-31.815606	115.962977		<i>Corymbia calophylla</i>	0 Hollows	
75	-31.817118	115.963190		<i>Corymbia calophylla</i>	0 Hollows	
76	-31.818330	115.962724		<i>Corymbia calophylla</i>	0 Hollows	
77	-31.818902	115.962602		<i>Corymbia calophylla</i>	0 Hollows	

78	-31.819296	115.962678		<i>Corymbia calophylla</i>	0 Hollows	
79	-31.819913	115.962708		<i>Corymbia calophylla</i>	0 Hollows	
80	-31.817134	115.962705		<i>Corymbia calophylla</i>	1 Hollow, 7cm diameter	
81	-31.814610	115.962188		<i>Corymbia calophylla</i>	0 Hollows	
82	-31.813786	115.962078		<i>Corymbia calophylla</i>	0 Hollows	
83	-31.811254	115.962186		<i>Corymbia calophylla</i>	0 Hollows	
84	-31.799594	115.962971		<i>Corymbia calophylla</i>	0 Hollows	

85	-31.801418	115.963011		<i>Corymbia calophylla</i>	0 Hollows.	
86	-31.801383	115.963004		<i>Corymbia calophylla</i>	0 Hollows.	
87	-31.798737	115.962937		<i>Corymbia calophylla</i>	0 Hollows.	
88	-31.781123	115.963295		<i>Stag</i>	0 Hollows.	
89	-31.781206	115.963515		<i>Corymbia calophylla</i>	0 Hollows.	
90	-31.795871	115.960083		<i>Corymbia calophylla</i>	0 Hollows.	
91	-31.795670	115.955528		<i>Corymbia calophylla</i>	0 Hollows.	





92	-31.795968	115.955261		<i>Corymbia calophylla</i>	0 Hollows.	
93	-31.796041	115.955320		<i>Corymbia calophylla</i>	0 Hollows.	
94	-31.796079	115.955501		<i>Corymbia calophylla</i>	0 Hollows.	
95	-31.795902	115.955570		<i>Corymbia calophylla</i>	0 Hollows.	
96	-31.795865	115.955591		<i>Corymbia calophylla</i>	0 Hollows.	
97	-31.795966	115.955801		<i>Corymbia calophylla</i>	0 Hollows.	
98	-31.795968	115.955796		Stag	0 Hollows.	















99	-31.796277	115.958695		<i>Corymbia calophylla</i>	0 Hollows	
100	-31.796351	115.958762		<i>Corymbia calophylla</i>	0 Hollows	
101	-31.796595	115.958667		<i>Corymbia calophylla</i>	0 Hollows	
102	-31.797491	115.958736		<i>Corymbia calophylla</i>	0 Hollows	
103	-31.797506	115.958477		<i>Corymbia calophylla</i>	0 Hollows	
104	-31.797299	115.958399		<i>Corymbia calophylla</i>	0 Hollows	
105	-31.797517	115.958058		<i>Eucalyptus marginata</i>	0 Hollows	

106	-31.797665	115.958128		<i>Corymbia calophylla</i>	0 Hollows.	
107	-31.798219	115.959369		<i>Corymbia calophylla</i>	0 Hollows.	
108	-31.798299	115.959406		<i>Corymbia calophylla</i>	0 Hollows.	
109	-31.798373	115.959549		<i>Corymbia calophylla</i>	0 Hollows.	
110	-31.798152	115.959499		<i>Corymbia calophylla</i>	0 Hollows.	
111	-31.797954	115.959660		<i>Corymbia calophylla</i>	0 Hollows.	
112	-31.797846	115.962404		<i>Corymbia calophylla</i>	0 Hollows.	

113	-31.797738	115.962434		<i>Corymbia calophylla</i>	0 Hollows.	
114	-31.797656	115.962518		<i>Corymbia calophylla</i>	0 Hollows.	
115	-31.797480	115.962605		<i>Corymbia calophylla</i>	0 Hollows.	
116	-31.797468	115.962490		<i>Corymbia calophylla</i>	0 Hollows. Bees at base.	
117	-31.797566	115.961912		<i>Corymbia calophylla</i>	0 Hollows.	
118	-31.797571	115.961923		<i>Corymbia calophylla</i>	0 Hollows.	
119	-31.797638	115.961902		<i>Corymbia calophylla</i>	0 Hollows.	

120	-31.797798	115.961903		<i>Corymbia calophylla</i>	0 Hollows	
121	-31.797751	115.961730		<i>Corymbia calophylla</i>	0 Hollows	
122	-31.797315	115.961626		<i>Corymbia calophylla</i>	0 Hollows	
123	-31.797243	115.961883		<i>Corymbia calophylla</i>	0 Hollows	
124	-31.797657	115.960864		<i>Corymbia calophylla</i>	0 Hollows	
125	-31.797641	115.960933		<i>Corymbia calophylla</i>	0 Hollows	
126	-31.797569	115.960922		<i>Corymbia calophylla</i>	0 Hollows	

127	-31.797562	115.960876		<i>Corymbia calophylla</i>	0 Hollows.	
128	-31.797524	115.960859		<i>Corymbia calophylla</i>	0 Hollows.	
129	-31.797351	115.960611		<i>Corymbia calophylla</i>	0 Hollows.	
130	-31.799167	115.958504		<i>Stag</i>	1 Hollow. 25cm diameter. Unable to determine.	
131	-31.799277	115.958390		<i>Corymbia calophylla</i>	0 Hollows.	
132	-31.799241	115.958625		<i>Corymbia calophylla</i>	0 Hollows.	
133	-31.799221	115.958924		<i>Corymbia calophylla</i>	0 Hollows.	

134	-31.798792	115.959281		<i>Corymbia calophylla</i>	0 Hollows.	
135	-31.798648	115.959476		<i>Corymbia calophylla</i>	0 Hollows.	
136	-31.799717	115.959435		<i>Corymbia calophylla</i>	0 Hollows.	
137	-31.799836	115.959442		<i>Corymbia calophylla</i>	1 Hollow. Linear 2m beescm diameter.	
138	-31.799588	115.959599		<i>Corymbia calophylla</i>	0 Hollows.	
139	-31.799561	115.959720		<i>Corymbia calophylla</i>	0 Hollows.	
140	-31.799575	115.959590		<i>Corymbia calophylla</i>	0 Hollows.	

141 -31.799523 115.959712



Corymbia calophylla

0 Hollows.



142 -31.799499 115.959896



Corymbia calophylla

0 Hollows.



143 -31.799471 115.959912



Corymbia calophylla

0 Hollows.



144 -31.799591 115.960082

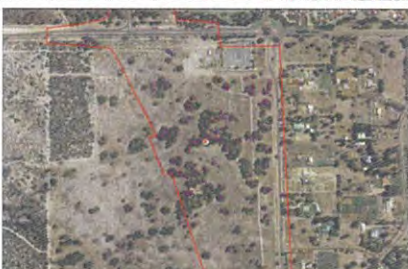


Corymbia calophylla

0 Hollows.



145 -31.799530 115.960062



Corymbia calophylla

0 Hollows.



146 -31.799414 115.960167

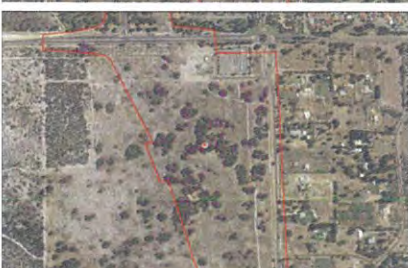


Corymbia calophylla

0 Hollows.

















147 -31.799395 115.960179






























Corymbia calophylla

0 Hollows.



148	-31.799361	115.960241		<i>Corymbia calophylla</i>	0 Hollows.	
149	-31.799271	115.960082		<i>Corymbia calophylla</i>	0 Hollows.	
150	-31.799055	115.959965		<i>Stag</i>	1 Hollow. 30cm diameter.	
151	-31.798864	115.960014		<i>Corymbia calophylla</i>	0 Hollows.	
152	-31.798769	115.960392		<i>Corymbia calophylla</i>	0 Hollows.	
153	-31.798686	115.960408		<i>Stag</i>	0 Hollows.	
154	-31.798649	115.960608		<i>Corymbia calophylla</i>	0 Hollows.	

155	-31 798489	115 960670		<i>Corymbia calophylla</i>	0 Hollows	
156	-31 798650	115 961084		<i>Corymbia calophylla</i>	0 Hollows	
157	-31 798688	115 960862		<i>Corymbia calophylla</i>	0 Hollows	
158	-31 798971	115 960860		<i>Corymbia calophylla</i>	0 Hollows	
159	-31 799076	115 960801		<i>Corymbia calophylla</i>	0 Hollows	
160	-31 799196	115 960470		<i>Corymbia calophylla</i>	0 Hollows	
161	-31 799379	115 960426		<i>Corymbia calophylla</i>	0 Hollows	

162	-31.799456	115.960600		<i>Corymbia calophylla</i>	0 Hollows	
163	-31.799407	115.960615		<i>Corymbia calophylla</i>	0 Hollows	
164	-31.799555	115.960897		<i>Stag</i>	0 Hollows	
165	-31.799774	115.960801		<i>Corymbia calophylla</i>	0 Hollows	
166	-31.799556	115.961284		<i>Corymbia calophylla</i>	0 Hollows	
167	-31.799462	115.961316		<i>Corymbia calophylla</i>	0 Hollows	
168	-31.800038	115.960965		<i>Corymbia calophylla</i>	0 Hollows	

169 -31.800285 115.960324



Eucalyptus marginata

0 Hollows.



170 -31.800150 115.958775

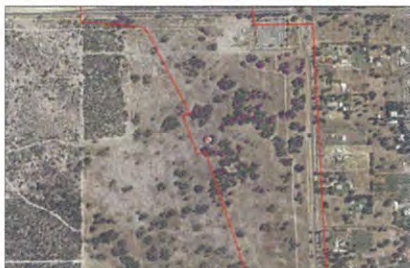


Corymbia calophylla

0 Hollows.



171 -31.800216 115.958834



Corymbia calophylla

0 Hollows.



172 -31.800084 115.959004



Corymbia calophylla

0 Hollows.



173 -31.800559 115.958664



Corymbia calophylla

0 Hollows.



174 -31.800565 115.958761



Corymbia calophylla

0 Hollows.

















175 -31.800623 115.958991



Corymbia calophylla

0 Hollows.



176	-31.800631	115.959042		<i>Corymbia calophylla</i>	0 Hollows.	
177	-31.800616	115.959089		<i>Corymbia calophylla</i>	0 Hollows.	
178	-31.800727	115.959301		<i>Corymbia calophylla</i>	0 Hollows.	
179	-31.800676	115.959507		<i>Corymbia calophylla</i>	0 Hollows.	
180	-31.800370	115.959662		<i>Corymbia calophylla</i>	0 Hollows.	
181	-31.800544	115.959697		<i>Corymbia calophylla</i>	0 Hollows.	
182	-31.800465	115.960052		<i>Corymbia calophylla</i>	0 Hollows.	

183 -31.800552 115.960060



Corymbia calophylla

0 Hollows.



184 -31.801507 115.960551

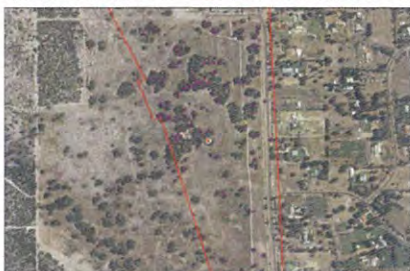


Corymbia calophylla

0 Hollows.



185 -31.801478 115.960566



Corymbia calophylla

0 Hollows.



186 -31.801123 115.960533

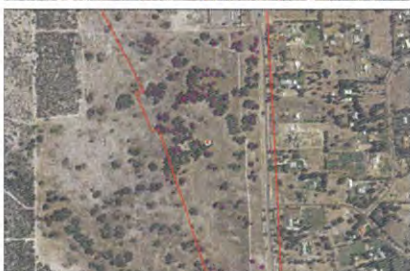


Corymbia calophylla

0 Hollows.



187 -31.801108 115.960614



Corymbia calophylla

0 Hollows.



188 -31.801117 115.960254

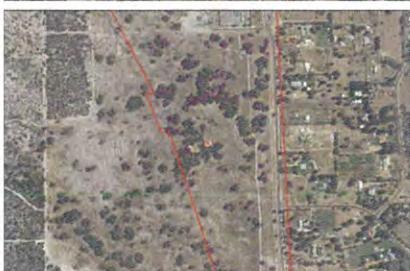


Corymbia calophylla

0 Hollows.

















189 -31.801084 115.960226






























Corymbia calophylla

0 Hollows.



190	-31.800924	115.959923		<i>Corymbia calophylla</i>	0 Hollows.	
191	-31.800925	115.959913		<i>Corymbia calophylla</i>	0 Hollows.	
192	-31.801066	115.959535		<i>Stag</i>	0 Hollows.	
193	-31.801329	115.959343		<i>Corymbia calophylla</i>	0 Hollows.	
194	-31.801372	115.959298		<i>Stag</i>	2 Hollows. 20,20cm diameter.	
195	-31.801372	115.959502		<i>Corymbia calophylla</i>	0 Hollows.	
196	-31.801323	115.959483		<i>Corymbia calophylla</i>	0 Hollows.	

197	-31.801964	115.960735		<i>Corymbia calophylla</i>	0 Hollows	
198	-31.802043	115.960925		<i>Corymbia calophylla</i>	0 Hollows	
199	-31.802176	115.959629		<i>Eucalyptus patens</i>	0 Hollows	
200	-31.802478	115.959654		<i>Corymbia calophylla</i>	0 Hollows	
201	-31.803336	115.960942		<i>Corymbia calophylla</i>	0 Hollows	
202	-31.803369	115.961191		<i>Corymbia calophylla</i>	0 Hollows	
203	-31.804077	115.961217		<i>Stag</i>	1 Hollow 15cm diameter Bees.	

204	-31.804833	115.960322		<i>Corymbia calophylla</i>	0 Hollows.	
205	-31.804876	115.960282		<i>Corymbia calophylla</i>	0 Hollows.	
206	-31.805333	115.960569		<i>Corymbia calophylla</i>	0 Hollows.	
207	-31.805601	115.960747		<i>Corymbia calophylla</i>	0 Hollows.	
208	-31.805684	115.961120		<i>Corymbia calophylla</i>	0 Hollows.	
209	-31.806252	115.961354		<i>Corymbia calophylla</i>	0 Hollows.	
210	-31.806117	115.961837		<i>Corymbia calophylla</i>	0 Hollows.	

211 -31.806569 115.961804



Stag

1 Hollow. Unable to determine cm diameter.



212 -31.806799 115.961447



Corymbia calophylla

1 Hollow. 8cm diameter. Bees.



213 -31.806744 115.961850



Corymbia calophylla

0 Hollows.



214 -31.807982 115.961290



Corymbia calophylla

0 Hollows.



215 -31.809131 115.961592



Corymbia calophylla

0 Hollows.



216 -31.809569 115.962032



Corymbia calophylla

0 Hollows.

















217 -31.809145 115.962013

















Corymbia calophylla

0 Hollows.



218	-31 808358	115.961999		<i>Corymbia calophylla</i>	0 Hollows	
219	-31 806264	115.962527		<i>Corymbia calophylla</i>	0 Hollows. Bees.	
220	-31 805889	115.962343		<i>Corymbia calophylla</i>	0 Hollows	
221	-31 805854	115.962346		<i>Corymbia calophylla</i>	0 Hollows.	
222	-31.805559	115.962592		Stag	0 Hollows	
223	-31.805552	115.962663		<i>Corymbia calophylla</i>	0 Hollows.	
224	-31 805374	115.962342		<i>Corymbia calophylla</i>	0 Hollows.	

225	-31.805344	115.962336		<i>Corymbia calophylla</i>	0 Hollows	
226	-31.803950	115.962152		<i>Corymbia calophylla</i>	0 Hollows	
227	-31.803366	115.961945		<i>Corymbia calophylla</i>	0 Hollows	
228	-31.802330	115.962457		<i>Stag</i>	0 Hollows	
229	-31.802129	115.962342		<i>Corymbia calophylla</i>	0 Hollows	
230	-31.801881	115.962326		<i>Corymbia calophylla</i>	0 Hollows	
231	-31.801228	115.962480		<i>Corymbia calophylla</i>	0 Hollows	

232 -31.801279 115.962309



Corymbia calophylla

0 Hollows.



233 -31.801047 115.961932



Corymbia calophylla

0 Hollows.



234 -31.800475 115.962352



Corymbia calophylla

0 Hollows.



235 -31.800229 115.962354



Corymbia calophylla

0 Hollows.



236 -31.800219 115.962372



Corymbia calophylla

0 Hollows.



237 -31.799847 115.962547



Corymbia calophylla

0 Hollows.



238 -31.799768 115.962325



Stag

0 Hollows.



239 -31.799514 115.961917



Stag

0 Hollows.



240 -31.799379 115.961749



Corymbia calophylla

0 Hollows.



241 -31.799318 115.962011



Corymbia calophylla

0 Hollows.



242 -31.798967 115.962182



Stag

0 Hollows.



243 -31.798201 115.962229



Corymbia calophylla

0 Hollows.



244 -31.798123 115.962464



Corymbia calophylla

0 Hollows.



245 -31.798080 115.962399



Corymbia calophylla

0 Hollows.



246 -31.797884 115.962587



Eucalyptus marginata

0 Hollows



247 -31.835359 115.964362



Corymbia calophylla

0 Hollows



248 -31.835334 115.964372



Corymbia calophylla

0 Hollows



249 -31.835117 115.964538



Corymbia calophylla

0 Hollows



250 -31.835022 115.964469



Corymbia calophylla

0 Hollows



251 -31.835235 115.964691



Corymbia calophylla

0 Hollows



252 -31.835323 115.964736



Corymbia calophylla

0 Hollows



253 -31.835107 115.964805



Corymbia calophylla

0 Hollows.



254 -31.834841 115.964965



Eucalyptus rudis

0 Hollows.



255 -31.834720 115.964868



Eucalyptus rudis

0 Hollows.



256 -31.834225 115.964529



Corymbia calophylla

0 Hollows.



257 -31.834180 115.964314



Corymbia calophylla

0 Hollows.



258 -31.834137 115.964242



Corymbia calophylla

0 Hollows.



259 -31.834090 115.964142



Corymbia calophylla

0 Hollows.



260 -31.834272 115.964181



Corymbia calophylla

0 Hollows.



261 -31.834331 115.964377



Corymbia calophylla

0 Hollows.



262 -31.834533 115.964425



Corymbia calophylla

0 Hollows.



263 -31.834518 115.964368



Corymbia calophylla

0 Hollows.



264 -31.834635 115.964108



Corymbia calophylla

0 Hollows.



265 -31.834560 115.964083



Corymbia calophylla

0 Hollows.



266 -31.834441 115.964077



Corymbia calophylla

0 Hollows.



267	-31.834589	115.963656		<i>Corymbia calophylla</i>	0 Hollows	
268	-31.834830	115.964060		<i>Corymbia calophylla</i>	0 Hollows	
269	-31.834961	115.963994		<i>Corymbia calophylla</i>	0 Hollows	
270	-31.835275	115.963561		<i>Corymbia calophylla</i>	0 Hollows	
271	-31.835351	115.963507		<i>Corymbia calophylla</i>	0 Hollows	
272	-31.835466	115.963479		<i>Corymbia calophylla</i>	0 Hollows	
273	-31.835295	115.963000		<i>Corymbia calophylla</i>	Two potential large hollows.	

274 -31.835402 115.962369



Corymbia calophylla

0 Hollows



275 -31.835018 115.962185



Stag

1 Hollow. 30cm diameter. Unable to determine.



276 -31.835022 115.962190



Corymbia calophylla

0 Hollows



277 -31.834832 115.962112



Corymbia calophylla

0 Hollows



278 -31.835689 115.961958



Stag

1 Hollow. 35cm diameter. Unable to determine.



279 -31.835758 115.962232



Corymbia calophylla

0 Hollows



280 -31.835879 115.963692



Corymbia calophylla

0 Hollows



281 -31.836205 115.964102



Corymbia calophylla

0 Hollows.



282 -31.836184 115.964279



Corymbia calophylla

0 Hollows.



283 -31.836032 115.964219



Corymbia calophylla

0 Hollows.



284 -31.835908 115.964118



Corymbia calophylla

0 Hollows.



285 -31.835963 115.964306



Corymbia calophylla

0 Hollows.



286 -31.835808 115.964270



Corymbia calophylla

0 Hollows.



287 -31.835760 115.964301



Corymbia calophylla

0 Hollows.



288 -31.835759 115.964520



Corymbia calophylla

0 Hollows



289 -31.835474 115.964210



Corymbia calophylla

0 Hollows



290 -31.835528 115.963807



Corymbia calophylla

0 Hollows



291 -31.800064 115.962808



Corymbia calophylla

0 Hollows

