



Memorandum

Tuesday, 5 March 2019

To Horizon Power

Copy to

From GHD Pty Ltd

Tel +61 8 6222 8065

Subject Warmun Solar Area Assessment

Job no. 6137978

1 Background

Horizon Power are looking to develop a new Solar Power Station at Warmun, approximately 200 kilometres (km) south of Kununurra in the Kimberley region of Western Australia. GHD Pty Ltd (GHD) were commissioned to undertake a desktop assessment and targeted flora survey of the proposed Warmun solar area (the study area) which comprises part of Lot 504 on Deposited Plan 52633 and part of Lot 114 on Deposited Plan 219259 (Figure 1, Attachment A). The total site area is approximately 2.74 ha. This memorandum has been prepared to document the findings of the field survey.

2 Scope

The scope of works involved:

- A desktop assessment to identify Threatened and Priority Flora potentially occurring within the study area
- A targeted flora survey of the study area
- The delivery of a letter/memorandum (this document) including a map outlining any Threatened and Priority flora is present.

3 Methodology

3.1 Desktop assessment

A desktop assessment was undertaken to identify Threatened and Priority Flora potentially occurring within the study area. The desktop assessment involved a review of:

- The Department of Environment and Energy (DEE) Protected Matters database to identify flora species listed under the *Environment Protection and Biodiversity Conservation Act 1999* potentially occurring within the study area (Attachment B)
- The Department of Biodiversity, Conservation and Attractions (DBCA) *NatureMap* database for Threatened flora listed under the *Biodiversity Conservation Act 2016* (BC Act) and Priority flora listed by DBCA previously recorded within a 40 km buffer of the study area (Attachment B)



Memorandum

- The DBCA flora databases (Threatened and Priority Flora (TPFL) and Western Australian Herbarium (WAHerb) databases) to identify Threatened and Priority flora species previously recorded within a 40 km buffer of the study area
- A review of Environmentally Sensitive Areas (ESAs) that may intersect the study area.

3.2 Field survey

GHD Senior Botanist Joel Collins undertook a targeted flora survey of the study area on the 14 February 2019. The field survey targeted conservation significant species that were identified in the desktop searches. The targeted survey involved systematically traversing the study area to search for conservation significant flora.

The survey methodology employed by GHD was undertaken with reference to the Environmental Protection Authority (EPA) Technical Guidance – Flora and Vegetation Surveys for Environmental Impact Assessment (EPA 2016). The survey was undertaken during the wet season (January to March) with survey timing considered to be optimal for the Northern Botanical Province.

4 Desktop assessment

4.1 Threatened and Priority flora

The *NatureMap* search identified 427 species within a 40 km buffer of the study area. This total comprised 406 native and 21 naturalised species. Of the species identified in the search, 22 are listed as Priority by DBCA (Table 1). The EPBC Act Protected Matters Search Tool (PMST) and DBCA flora database searches did not identify any conservation significant flora species within a 40 km buffer of the study area.

A likelihood of occurrence assessment was conducted prior to the field survey for all conservation significant flora taxa identified in the desktop assessment. This assessment took into account previous records, habitat requirements and likely habitats present within the study area. Eight conservation significant flora taxa were considered possible to occur within the study area (Table 1).

4.2 Environmentally Sensitive Areas

No ESAs intersect the study area.

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Table 1 Flora likelihood of occurrence

Family	Taxon	Status		Description (WA Herbarium 1998–)	Likelihood of occurrence
		BC Act / DBCA ¹	EPBC Act		
Apocynaceae	<i>Marsdenia hemiptera</i>	P1		Climber. Flowers pink-red, November. Sandstone boulders beside watercourse.	Unlikely – habitat not considered suitable to support this species
Araceae	<i>Colocasia esculenta</i> var. <i>aquatilis</i>	P3		Upright perennial herb to 0.7 m. Aquatic with large peltate leaves. Flowers yellow lily to 1.5 m, leaves 30 cm across. Wet swamp, shallow pools.	Unlikely – habitat not considered suitable to support this species
Asteraceae	<i>Blumea pungens</i>	P2		Erect, rigid, viscid perennial, herb, 0.6-1.5 m high. Flowers yellow, June to July or Sep. Sandstone hills & plateaus.	Possible – habitat may be suitable to support this species
	<i>Pentalepis trichodesmoides</i> subsp. <i>incana</i>	P1		Spreading shrub to 1 m, many stems. Flowers yellow, very hard leaves.	Possible – no habitat description available.
Boraginaceae	<i>Heliotropium uniflorum</i>	P1		Annual or biennial (occasionally), herb, to 0.3 m high. Flowers white, March to December. Sandstone, quartzite. Stony slopes, undulating rocky plateaus.	Unlikely – habitat not considered suitable to support this species
Convolvulaceae	<i>Jacquemontia</i> sp. <i>Keep River</i> (J.L. Egan 5015)	P1		Prostrate perennial herb to 0.4 m. Flowers light mauve, white or yellow.	Possible – no habitat description available.
Fabaceae	<i>Acacia claviseta</i>	P3		Erect shrub to 2.5 m. Flowers yellow. Phyllodes crowded on stems, slightly viscid.	Possible – no habitat description available.

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Family	Taxon	Status		Description (WA Herbarium 1998–)	Likelihood of occurrence
		BC Act / DBCA ¹	EPBC Act		
	<i>Acacia zatrichota</i>	P2		Shrub, to 1.5 m high. Flowers yellow, July. Sand. On sandstone scree slopes.	Possible – habitat may be suitable to support this species.
	<i>Glycine pullenii</i>	P3		Climber (with trailing stems). Flowers cream-green, June. Sand. On sand plain in open woodland.	Unlikely – habitat not considered suitable to support this species
	<i>Tephrosia</i> sp. Mistake Creek (A.C. Beaglehole 54424)	P3		Open shrub to 2 m. Flowers mauve-pink, bark brown and finely fissured. Limestone outcrops, creek flat/banks.	Unlikely – habitat not considered suitable to support this species
Malvaceae	<i>Dicarpidium</i> sp. Purnululu (K.A. Menkhorst 766)	P2		Spreading shrub 0.3 m high, 0.7 m across. Flowers pink with yellow centre. Sandstone pavement.	Possible – habitat may be suitable to support this species
	<i>Hibiscus squarulosus</i>	P1		Shrub, to 3 m high. Flowers pink, July or November. Sand, sandstone. Beside watercourses, creek banks.	Unlikely – habitat not considered suitable to support this species
Menispermaceae	<i>Stephania japonica</i> var. <i>japonica</i>	P2		Peltate leaved creeper. Sandy bank of ephemeral watercourse, valley floor, base of limestone outcrop.	Unlikely – habitat not considered suitable to support this species
Myrtaceae	<i>Eucalyptus ordiana</i>	P2		(Mallee) or tree, 2-5.5 m high, bark smooth, powdery. Flowers white, April to May. Skeletal soils over sandstone or quartzite. Steep rocky outcrops.	Unlikely – habitat not considered suitable to support this species
	<i>Leptospermum madidum</i> subsp. <i>sativum</i>	P3		Shrub or tree, 1.5-8 m high. Flowers white-cream, July. Sandy soils. Along watercourses, sandstone gorges.	Unlikely – habitat not considered suitable to support this species

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Family	Taxon	Status		Description (WA Herbarium 1998–)	Likelihood of occurrence
		BC Act / DBCA ¹	EPBC Act		
Phyllanthaceae	<i>Sauropus rigidulus</i>	P3		Erect perennial shrub. Rocky slope above gorge.	Unlikely – habitat not considered suitable to support this species.
Poaceae	<i>Micraira sp.</i> Purnululu (M.D. Barrett & R.L. Barrett 1507)	P1		Resurrection grass to 10 cm, mats to 3 m across. Leaf blades sparsely pilose. Leaf sheaths glabrous. Peduncles 4-11 mm long. Sandy soil. Sloping sandstone paving, edge of open flat, sand base, on rock platform, sandstone substrate.	Possible – habitat may be suitable to support this species
	<i>Triodia bunglensis</i>	P2		Tussock-forming perennial, grass-like or herb, ca 1.5 m high, foliage resinous, panicle spiciform. Flowering November to December or April or June to July. Sandstone. Cliffs, gorges & domes, often in fissures & cracks.	Unlikely – habitat not considered suitable to support this species
Proteaceae	<i>Grevillea miniata</i>	P4		Spreading to erect shrub or tree, 1.8-5 m high. Fl. yellow-orange, Apr or Jun to Aug. Skeletal sandy soils or sandy loam over quartzite or sandstone. Cliffs or rocky slopes, sometimes along watercourses.	Unlikely – habitat not considered suitable to support this species
Pteridaceae	<i>Taenitis pinnata</i>	P2		Rhizomatous, perennial, herb or (fern), to 0.8 m high, rhizome bristly; blade simple or 1-pinnate; pinnae narrow; sori intermittent along veins, irregular. Flowering April or July. Sandstone cliffs.	Unlikely – habitat not considered suitable to support this species

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Family	Taxon	Status		Description (WA Herbarium 1998–)	Likelihood of occurrence
		BC Act / DBCA ¹	EPBC Act		
Rutaceae	<i>Boronia jucunda</i>	P1		Slender, aromatic shrub, to 0.7 m high, branches obviously glandular; leaves trifoliolate; sepals longer and wider than petals. Flowers white, May to June. Quartzite. Rocky areas in open eucalypt woodland.	Unlikely – habitat not considered suitable to support this species
	<i>Boronia minutipinna</i>	P2		Shrub, to 0.5 m high, leaves pinnate, pinnae 17-35; sepals longer and wider than petals. Flowers white-pink, July. Sand. Amongst boulders on plateau.	Possible – habitat may be suitable to support this species

¹ P1 – Priority 1, P2 – Priority 2, P3 – Priority 3, P4 – Priority 4. Possibly threatened species that do not meet survey criteria, or are otherwise data deficient, are added to the Priority Fauna or Priority Flora Lists under Priorities 1, 2 or 3. These three categories are ranked in order of priority for survey and evaluation of conservation status so that consideration can be given to their declaration as threatened flora or fauna. 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 species or other specially protected fauna lists for other than taxonomic reasons, are placed in Priority 4. These species require regular monitoring.

5 Survey results

The targeted flora survey did not record any Threatened or Priority listed flora in the study area. Furthermore, based on the survey effort, timing, habitats present and conditions observed during the survey, all species identified in the desktop searches were considered unlikely to occur within the study area.

6 References

Environmental Protection Authority (EPA) 2016, Technical Guidance – Flora and Vegetation Surveys for Environmental Impact Assessment, Perth, Environmental Protection Authority.

WA Herbarium 1998–, FloraBase–the Western Australian Flora, Department of Biodiversity, Conservation and Attractions, retrieved February 2019, from <http://florabase.dpaw.wa.gov.au/>.

Attachments

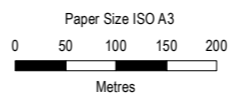
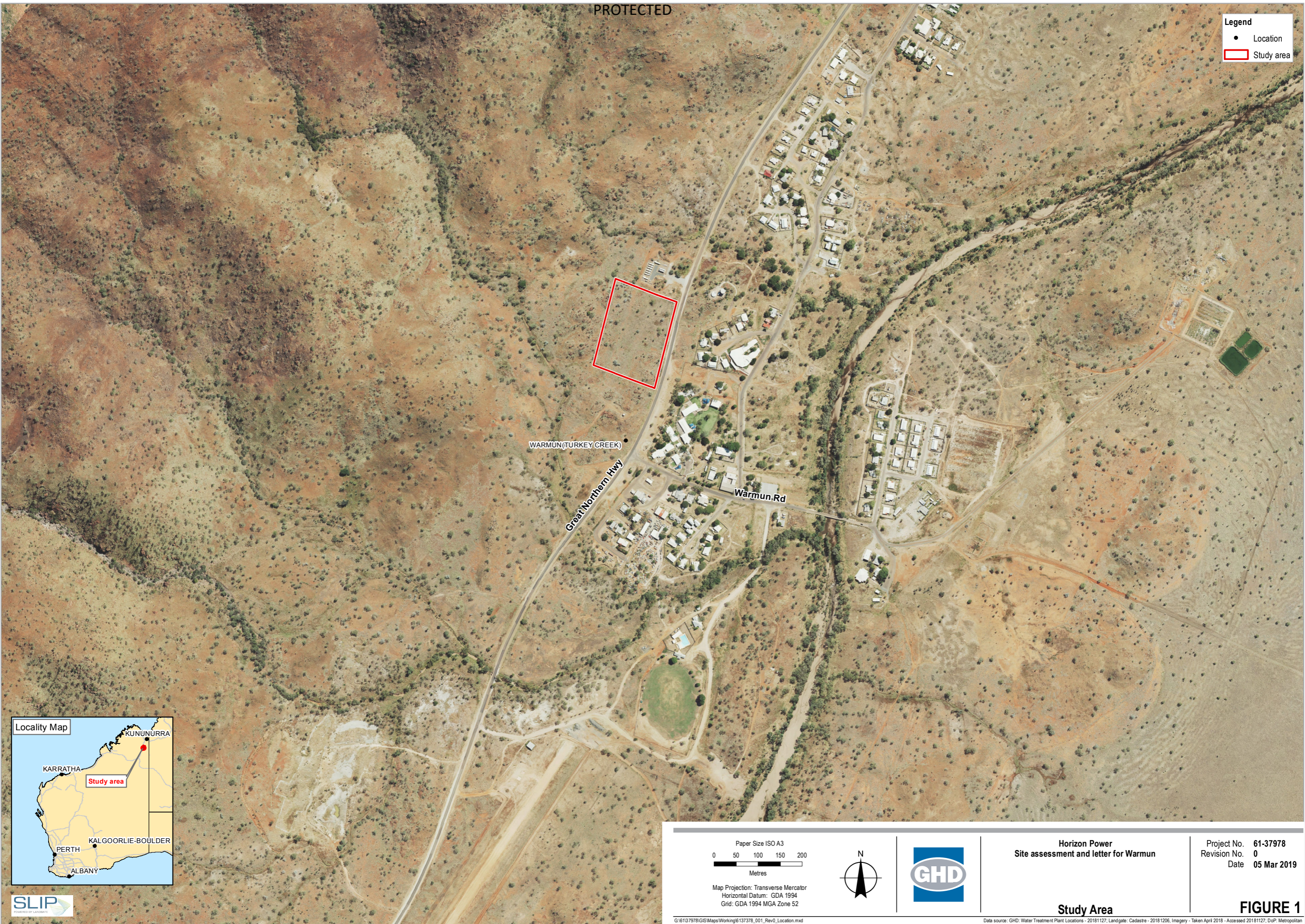
A – Study Area figure

B – Desktop searches

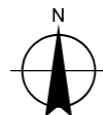
PROTECTED

Legend

- Location
- Study area



Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1994
 Grid: GDA 1994 MGA Zone 52



Horizon Power
 Site assessment and letter for Warmun

Project No. 61-37978
 Revision No. 0
 Date 05 Mar 2019

Study Area

FIGURE 1



EPBC Act Protected Matters Report

This report provides general guidance on matters of national environmental significance and other matters protected by the EPBC Act in the area you have selected.

Information on the coverage of this report and qualifications on data supporting this report are contained in the caveat at the end of the report.

Information is available about [Environment Assessments](#) and the EPBC Act including significance guidelines, forms and application process details.

Report created: 07/02/19 12:31:58

[Summary](#)

[Details](#)

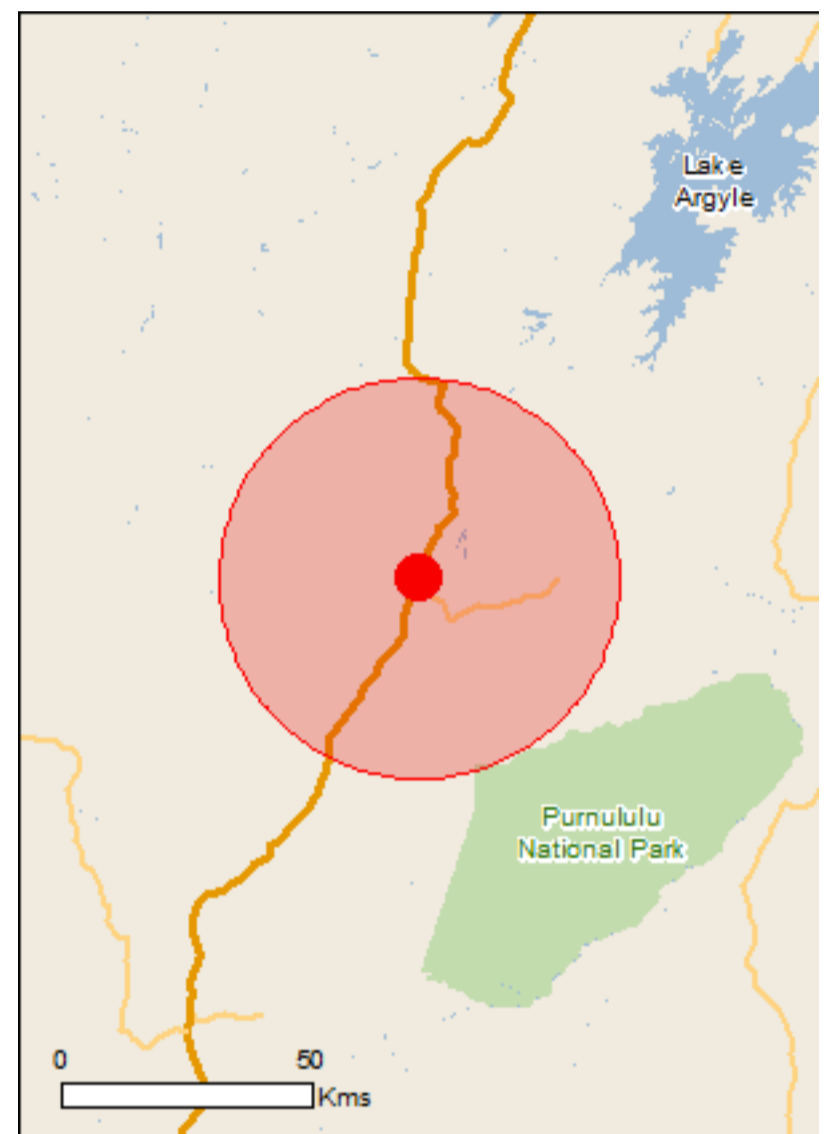
[Matters of NES](#)

[Other Matters Protected by the EPBC Act](#)

[Extra Information](#)

[Caveat](#)

[Acknowledgements](#)



This map may contain data which are ©Commonwealth of Australia (Geoscience Australia), ©PSMA 2010

[Coordinates](#)

Buffer: 40.0Km



Summary

Matters of National Environmental Significance

This part of the report summarises the matters of national environmental significance that may occur in, or may relate to, the area you nominated. Further information is available in the detail part of the report, which can be accessed by scrolling or following the links below. If you are proposing to undertake an activity that may have a significant impact on one or more matters of national environmental significance then you should consider the [Administrative Guidelines on Significance](#).

World Heritage Properties:	2
National Heritage Places:	1
Wetlands of International Importance:	2
Great Barrier Reef Marine Park:	None
Commonwealth Marine Area:	None
Listed Threatened Ecological Communities:	None
Listed Threatened Species:	12
Listed Migratory Species:	15

Other Matters Protected by the EPBC Act

This part of the report summarises other matters protected under the Act that may relate to the area you nominated. Approval may be required for a proposed activity that significantly affects the environment on Commonwealth land, when the action is outside the Commonwealth land, or the environment anywhere when the action is taken on Commonwealth land. Approval may also be required for the Commonwealth or Commonwealth agencies proposing to take an action that is likely to have a significant impact on the environment anywhere.

The EPBC Act protects the environment on Commonwealth land, the environment from the actions taken on Commonwealth land, and the environment from actions taken by Commonwealth agencies. As heritage values of a place are part of the 'environment', these aspects of the EPBC Act protect the Commonwealth Heritage values of a Commonwealth Heritage place. Information on the new heritage laws can be found at <http://www.environment.gov.au/heritage>

A [permit](#) may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Land:	None
Commonwealth Heritage Places:	None
Listed Marine Species:	22
Whales and Other Cetaceans:	None
Critical Habitats:	None
Commonwealth Reserves Terrestrial:	None
Australian Marine Parks:	None

Extra Information

This part of the report provides information that may also be relevant to the area you have nominated.

State and Territory Reserves:	2
Regional Forest Agreements:	None
Invasive Species:	15
Nationally Important Wetlands:	None
Key Ecological Features (Marine)	None

Details

Matters of National Environmental Significance

World Heritage Properties		[Resource Information]
Name	State	Status
Purnululu National Park - Buffer Zone	WA	Buffer zone
Purnululu National Park	WA	Declared property

National Heritage Properties		[Resource Information]
Name	State	Status
Natural		
Purnululu National Park	WA	Listed place

Wetlands of International Importance (Ramsar)		[Resource Information]
Name		Proximity
Lakes argyle and kununurra		10 - 20km upstream
Ord river floodplain		50 - 100km upstream

Listed Threatened Species		[Resource Information]
Name	Status	Type of Presence
Birds		
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
Erythrotriorchis radiatus Red Goshawk [942]	Vulnerable	Species or species habitat likely to occur within area
Erythrura gouldiae Gouldian Finch [413]	Endangered	Species or species habitat known to occur within area
Falcunculus frontatus whitei Crested Shrike-tit (northern), Northern Shrike-tit [26013]	Vulnerable	Species or species habitat likely to occur within area
Malurus coronatus coronatus Purple-crowned Fairy-wren (western) [64442]	Endangered	Extinct within area
Pezoporus occidentalis Night Parrot [59350]	Endangered	Species or species habitat may occur within area
Polytelis alexandrae Princess Parrot, Alexandra's Parrot [758]	Vulnerable	Species or species habitat may occur within area
Rostratula australis Australian Painted-snipe, Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area
Tyto novaehollandiae kimberli Masked Owl (northern) [26048]	Vulnerable	Species or species habitat may occur within area
Mammals		
Dasyurus hallucatus Northern Quoll, Digul [Gogo-Yimidir], Wijingadda [Dambimangari], Wiminji [Martu] [331]	Endangered	Species or species habitat may occur within area

Name	Status	Type of Presence
Macroderma gigas Ghost Bat [174]	PROTECTED Vulnerable	Species or species habitat likely to occur within area
Macrotis lagotis Greater Bilby [282]	Vulnerable	Species or species habitat likely to occur within area
Listed Migratory Species		[Resource Information]
* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.		
Name	Threatened	Type of Presence
Migratory Marine Birds		
Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Migratory Marine Species		
Crocodylus porosus Salt-water Crocodile, Estuarine Crocodile [1774]		Species or species habitat likely to occur within area
Migratory Terrestrial Species		
Cecropis daurica Red-rumped Swallow [80610]		Species or species habitat may occur within area
Cuculus optatus Oriental Cuckoo, Horsfield's Cuckoo [86651]		Species or species habitat may occur within area
Hirundo rustica Barn Swallow [662]		Species or species habitat may occur within area
Motacilla cinerea Grey Wagtail [642]		Species or species habitat may occur within area
Motacilla flava Yellow Wagtail [644]		Species or species habitat may occur within area
Migratory Wetlands Species		
Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat known to occur within area
Calidris acuminata Sharp-tailed Sandpiper [874]		Species or species habitat may occur within area
Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within area
Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
Glareola maldivarum Oriental Pratincole [840]		Species or species habitat may occur within area
Pandion haliaetus Osprey [952]		Species or species habitat likely to occur within area

Name	Threatened	Type of Presence
Tringa nebularia Common Greenshank, Greenshank [832]	PROTECTED	Species or species habitat likely to occur within area

Other Matters Protected by the EPBC Act

Listed Marine Species [\[Resource Information \]](#)

* Species is listed under a different scientific name on the EPBC Act - Threatened Species list.

Name	Threatened	Type of Presence
Birds		

Actitis hypoleucos Common Sandpiper [59309]		Species or species habitat known to occur within area
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Anseranas semipalmata Magpie Goose [978]		Species or species habitat may occur within area
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Apus pacificus Fork-tailed Swift [678]		Species or species habitat likely to occur within area
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Ardea alba Great Egret, White Egret [59541]		Species or species habitat known to occur within area
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Ardea ibis Cattle Egret [59542]		Species or species habitat may occur within area
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Calidris acuminata Sharp-tailed Sandpiper [874]		Species or species habitat may occur within area
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Calidris ferruginea Curlew Sandpiper [856]	Critically Endangered	Species or species habitat may occur within area
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Calidris melanotos Pectoral Sandpiper [858]		Species or species habitat may occur within area
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Charadrius veredus Oriental Plover, Oriental Dotterel [882]		Species or species habitat may occur within area
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Chrysococcyx osculans Black-eared Cuckoo [705]		Species or species habitat may occur within area
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Name	Threatened	Type of Presence
Glareola maldivarum Oriental Pratincole [840]	PROTECTED	Species or species habitat may occur within area
Haliaeetus leucogaster White-bellied Sea-Eagle [943]		Species or species habitat known to occur within area
Hirundo daurica Red-rumped Swallow [59480]		Species or species habitat may occur within area
Hirundo rustica Barn Swallow [662]		Species or species habitat may occur within area
Merops ornatus Rainbow Bee-eater [670]		Species or species habitat may occur within area
Motacilla cinerea Grey Wagtail [642]		Species or species habitat may occur within area
Motacilla flava Yellow Wagtail [644]		Species or species habitat may occur within area
Pandion haliaetus Osprey [952]		Species or species habitat likely to occur within area
Rostratula benghalensis (sensu lato) Painted Snipe [889]	Endangered*	Species or species habitat likely to occur within area
Tringa nebularia Common Greenshank, Greenshank [832]		Species or species habitat likely to occur within area
Reptiles		
Crocodylus johnstoni Freshwater Crocodile, Johnston's Crocodile, Johnston's River Crocodile [1773]		Species or species habitat may occur within area
Crocodylus porosus Salt-water Crocodile, Estuarine Crocodile [1774]		Species or species habitat likely to occur within area

Extra Information

State and Territory Reserves	[Resource Information]
Name	State
Purnululu	WA
Purnululu Conservation Reserve	WA

Invasive Species

PROTECTED

[\[Resource Information \]](#)

Weeds reported here are the 20 species of national significance (WoNS), along with other introduced plants that are considered by the States and Territories to pose a particularly significant threat to biodiversity. The following feral animals are reported: Goat, Red Fox, Cat, Rabbit, Pig, Water Buffalo and Cane Toad. Maps from Landscape Health Project, National Land and Water Resources Audit, 2001.

Name	Status	Type of Presence
Frogs		
Rhinella marina Cane Toad [83218]		Species or species habitat may occur within area
Mammals		
Bos taurus Domestic Cattle [16]		Species or species habitat likely to occur within area
Camelus dromedarius Dromedary, Camel [7]		Species or species habitat likely to occur within area
Canis lupus familiaris Domestic Dog [82654]		Species or species habitat likely to occur within area
Equus asinus Donkey, Ass [4]		Species or species habitat likely to occur within area
Equus caballus Horse [5]		Species or species habitat likely to occur within area
Felis catus Cat, House Cat, Domestic Cat [19]		Species or species habitat likely to occur within area
Sus scrofa Pig [6]		Species or species habitat likely to occur within area
Plants		
Brachiaria mutica Para Grass [5879]		Species or species habitat may occur within area
Cenchrus ciliaris Buffel-grass, Black Buffel-grass [20213]		Species or species habitat likely to occur within area
Cryptostegia grandiflora Rubber Vine, Rubbervine, India Rubber Vine, India Rubbervine, Palay Rubbervine, Purple Allamanda [18913]		Species or species habitat likely to occur within area
Jatropha gossypifolia Cotton-leaved Physic-Nut, Bellyache Bush, Cotton-leaf Physic Nut, Cotton-leaf Jatropha, Black Physic Nut [7507]		Species or species habitat likely to occur within area
Parkinsonia aculeata Parkinsonia, Jerusalem Thorn, Jelly Bean Tree, Horse Bean [12301]		Species or species habitat likely to occur within area
Reptiles		
Hemidactylus frenatus Asian House Gecko [1708]		Species or species habitat likely to occur within area
Ramphotyphlops braminus Flowerpot Blind Snake, Brahminy Blind Snake, Cacing Besi [1258]		Species or species habitat may occur within area

Caveat

The information presented in this report has been provided by a range of data sources as acknowledged at the end of the report.

This report is designed to assist in identifying the locations of places which may be relevant in determining obligations under the Environment Protection and Biodiversity Conservation Act 1999. It holds mapped locations of World and National Heritage properties, Wetlands of International and National Importance, Commonwealth and State/Territory reserves, listed threatened, migratory and marine species and listed threatened ecological communities. Mapping of Commonwealth land is not complete at this stage. Maps have been collated from a range of sources at various resolutions.

Not all species listed under the EPBC Act have been mapped (see below) and therefore a report is a general guide only. Where available data supports mapping, the type of presence that can be determined from the data is indicated in general terms. People using this information in making a referral may need to consider the qualifications below and may need to seek and consider other information sources.

For threatened ecological communities where the distribution is well known, maps are derived from recovery plans, State vegetation maps, remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

Threatened, migratory and marine species distributions have been derived through a variety of methods. Where distributions are well known and if time permits, maps are derived using either thematic spatial data (i.e. vegetation, soils, geology, elevation, aspect, terrain, etc) together with point locations and described habitat; or environmental modelling (MAXENT or BIOCLIM habitat modelling) using point locations and environmental data layers.

Where very little information is available for species or large number of maps are required in a short time-frame, maps are derived either from 0.04 or 0.02 decimal degree cells; by an automated process using polygon capture techniques (static two kilometre grid cells, alpha-hull and convex hull); or captured manually or by using topographic features (national park boundaries, islands, etc). In the early stages of the distribution mapping process (1999-early 2000s) distributions were defined by degree blocks, 100K or 250K map sheets to rapidly create distribution maps. More reliable distribution mapping methods are used to update these distributions as time permits.

Only selected species covered by the following provisions of the EPBC Act have been mapped:

- migratory and
- marine

The following species and ecological communities have not been mapped and do not appear in reports produced from this database:

- threatened species listed as extinct or considered as vagrants
- some species and ecological communities that have only recently been listed
- some terrestrial species that overfly the Commonwealth marine area
- migratory species that are very widespread, vagrant, or only occur in small numbers

The following groups have been mapped, but may not cover the complete distribution of the species:

- non-threatened seabirds which have only been mapped for recorded breeding sites
- seals which have only been mapped for breeding sites near the Australian continent

Such breeding sites may be important for the protection of the Commonwealth Marine environment.

Coordinates

-17.01036 128.21864

Acknowledgements

This database has been compiled from a range of data sources. The department acknowledges the following custodians who have contributed valuable data and advice:

- [-Office of Environment and Heritage, New South Wales](#)
- [-Department of Environment and Primary Industries, Victoria](#)
- [-Department of Primary Industries, Parks, Water and Environment, Tasmania](#)
- [-Department of Environment, Water and Natural Resources, South Australia](#)
- [-Department of Land and Resource Management, Northern Territory](#)
- [-Department of Environmental and Heritage Protection, Queensland](#)
- [-Department of Parks and Wildlife, Western Australia](#)
- [-Environment and Planning Directorate, ACT](#)
- [-Birdlife Australia](#)
- [-Australian Bird and Bat Banding Scheme](#)
- [-Australian National Wildlife Collection](#)
- [-Natural history museums of Australia](#)
- [-Museum Victoria](#)
- [-Australian Museum](#)
- [-South Australian Museum](#)
- [-Queensland Museum](#)
- [-Online Zoological Collections of Australian Museums](#)
- [-Queensland Herbarium](#)
- [-National Herbarium of NSW](#)
- [-Royal Botanic Gardens and National Herbarium of Victoria](#)
- [-Tasmanian Herbarium](#)
- [-State Herbarium of South Australia](#)
- [-Northern Territory Herbarium](#)
- [-Western Australian Herbarium](#)
- [-Australian National Herbarium, Canberra](#)
- [-University of New England](#)
- [-Ocean Biogeographic Information System](#)
- [-Australian Government, Department of Defence Forestry Corporation, NSW](#)
- [-Geoscience Australia](#)
- [-CSIRO](#)
- [-Australian Tropical Herbarium, Cairns](#)
- [-eBird Australia](#)
- [-Australian Government – Australian Antarctic Data Centre](#)
- [-Museum and Art Gallery of the Northern Territory](#)
- [-Australian Government National Environmental Science Program](#)
- [-Australian Institute of Marine Science](#)
- [-Reef Life Survey Australia](#)
- [-American Museum of Natural History](#)
- [-Queen Victoria Museum and Art Gallery, Inveresk, Tasmania](#)
- [-Tasmanian Museum and Art Gallery, Hobart, Tasmania](#)
- [-Other groups and individuals](#)

The Department is extremely grateful to the many organisations and individuals who provided expert advice and information on numerous draft distributions.

Please feel free to provide feedback via the [Contact Us](#) page.

NatureMap Species Conservation Status Report (40 km)

Created By Guest user on 04/02/2019

Kingdom Plantae
Current Names Only Yes
Core Datasets Only Yes
Method 'By Circle'
Centre 128° 12' 40" E, 17° 01' 37" S
Buffer 40km
Group By Conservation Status

Conservation Status	Species	Records
Non-conservation taxon	405	751
Priority 1	7	18
Priority 2	8	19
Priority 3	6	10
Priority 4	1	9
TOTAL	427	807

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
Priority 1				
1.	17753 <i>Boronia jucunda</i>		P1	
2.	17316 <i>Heliotropium uniflorum</i>		P1	
3.	20466 <i>Hibiscus squarulosus</i>		P1	Y
4.	48905 <i>Jacquemontia</i> sp. <i>Keep River (J.L. Egan 5015)</i>		P1	
5.	12478 <i>Marsdenia hemiptera</i>		P1	Y
6.	29181 <i>Micraira</i> sp. <i>Purnululu (M.D. Barrett & R.L. Barrett 1507)</i>		P1	
7.	42007 <i>Pentalepis trichodesmoides</i> subsp. <i>incana</i>		P1	
Priority 2				
8.	19122 <i>Acacia zatrichota</i>		P2	
9.	7864 <i>Blumea pungens</i>		P2	
10.	17754 <i>Boronia minutipinna</i>		P2	
11.	35072 <i>Dicarpidium</i> sp. <i>Purnululu (K.A. Menkhurst 766)</i>		P2	Y
12.	13094 <i>Eucalyptus ordiana</i>		P2	
13.	35138 <i>Stephania japonica</i> var. <i>japonica</i>		P2	
14.	12962 <i>Taenitis pinnata</i>		P2	
15.	17884 <i>Triodia bunglensis</i>		P2	
Priority 3				
16.	43585 <i>Acacia claviseta</i>		P3	
17.	33000 <i>Colocasia esculenta</i> var. <i>aquatilis</i>		P3	
18.	19239 <i>Glycine pullenii</i>		P3	
19.	13347 <i>Leptospermum madidum</i> subsp. <i>sativum</i>		P3	
20.	45341 <i>Sauropus rigidulus</i> (<i>Shrubby Synostemon</i>)		P3	
21.	42226 <i>Tephrosia</i> sp. <i>Mistake Creek (A.C. Beaulehole 54424)</i>		P3	
Priority 4				
22.	2040 <i>Grevillea miniata</i>		P4	
Non-conservation taxon				
23.	4884 <i>Abelmoschus ficulneus</i>			
24.	16979 <i>Abrus precatorius</i> subsp. <i>precatorius</i>			
25.	16919 <i>Abutilon hannii</i>			
26.	3198 <i>Acacia acradenia</i>			
27.	11215 <i>Acacia adoxa</i> var. <i>adoxo</i>			
28.	16160 <i>Acacia adoxa</i> var. <i>subglabra</i>			
29.	3209 <i>Acacia ampliceps</i>			
30.	17978 <i>Acacia anasilla</i>			
31.	3222 <i>Acacia argyraea</i>			
32.	17013 <i>Acacia colei</i> var. <i>colei</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
33.	3313 <i>Acacia dunnii</i> (Elephant Ear Wattle, Lolord)			
34.	3345 <i>Acacia galioides</i>			
35.	3351 <i>Acacia gonocarpa</i> (Wuluru)			
36.	3365 <i>Acacia hemignosta</i> (Clubleaf Wattle)			
37.	3367 <i>Acacia hemsleyi</i>			
38.	3372 <i>Acacia holosericea</i> (Candelbra Wattle, Liringgin)			
39.	3411 <i>Acacia latifolia</i>			
40.	3417 <i>Acacia leptophleba</i>			
41.	3429 <i>Acacia lycopodiifolia</i>			
42.	3430 <i>Acacia lysiphloia</i> (Turpentine Wattle)			
43.	8379 <i>Acacia megalantha</i>			
44.	3447 <i>Acacia monticola</i> (Gawar, Lilwardi)			
45.	13401 <i>Acacia neurocarpa</i>			
46.	3462 <i>Acacia nuperrima</i>			
47.	3471 <i>Acacia orthocarpa</i> (Needleleaf Wattle)			
48.	3483 <i>Acacia pellita</i>			
49.	3485 <i>Acacia perryi</i>			
50.	3491 <i>Acacia platycarpa</i> (Pindan Wattle)			
51.	14977 <i>Acacia plectocarpa</i> subsp. <i>plectocarpa</i>			
52.	15215 <i>Acacia retivenea</i> subsp. <i>clandestina</i>			
53.	15217 <i>Acacia retivenea</i> subsp. <i>retivenea</i>			
54.	29135 <i>Acacia sericophylla</i>			
55.	3560 <i>Acacia stipuligera</i>			
56.	17057 <i>Acacia stipulosa</i>			
57.	3580 <i>Acacia translucens</i> (Poverty Bush, Banmung)			
58.	3585 <i>Acacia tumida</i> (Pindan Wattle, Walgali)			
59.	19641 <i>Acacia tumida</i> var. <i>tumida</i>			
60.	6562 <i>Alstonia actinophylla</i> (White Cheeswood)			
61.	17147 <i>Alysicarpus muelleri</i>			
62.	17574 <i>Alysicarpus ovalifolius</i>	Y		
63.	5278 <i>Ammannia multiflora</i>			
64.	2369 <i>Amyema benthamii</i>			
65.	13262 <i>Amyema conspicua</i>			
66.	13263 <i>Amyema eburna</i>			
67.	46236 <i>Anisomeles farinacea</i>			
68.	43105 <i>Apowollastonia cylindrica</i>			
69.	206 <i>Aristida capillifolia</i> (Needle-leaved Threewawn)			
70.	225 <i>Arundinella nepalensis</i> (Reedgrass)			
71.	4740 <i>Atalaya hemiglauca</i> (Whitewood)			
72.	1813 <i>Banksia dentata</i> (Tropical Banksia, Bi Marr)			
73.	12757 <i>Bauhinia cunninghamii</i>			
74.	72 <i>Blechnum orientale</i>			
75.	12759 <i>Blumea axillaris</i>			
76.	7860 <i>Blumea integrifolia</i>			
77.	12950 <i>Blumea psammophila</i>			
78.	2773 <i>Boerhavia paludosa</i>			
79.	3705 <i>Bossiaea bossiaeooides</i> (Bossiaea)			
80.	4998 <i>Brachychiton diversifolius</i> (Northern Kurrajong, Korrkorr)			
81.	12753 <i>Brachychiton viscidulus</i>			
82.	4603 <i>Bridelia tomentosa</i>			
83.	4509 <i>Brucea javanica</i>			
84.	29703 <i>Buchanania oblongifolia</i>			
85.	750 <i>Bulbostylis barbata</i>			
86.	3745 <i>Cajanus crassicaulis</i>			
87.	33025 <i>Cajanus lanuginosus</i>			Y
88.	11059 <i>Cajanus latisepalus</i>			
89.	13696 <i>Cajanus reticulatus</i> var. <i>grandifolius</i>			
90.	6582 <i>Calotropis procera</i> (Calotrope)	Y		
91.	5445 <i>Calytrix brownii</i>			
92.	5457 <i>Calytrix exstipulata</i> (Kimberley Heather)			
93.	3748 <i>Canavalia papuana</i>			
94.	2976 <i>Capparis lasiantha</i> (Split Jack, Balqarda)			
95.	2982 <i>Capparis umbonata</i> (Wild Orange, Nanggalu)			
96.	5293 <i>Carallia brachiata</i>			
97.	6567 <i>Carissa lanceolata</i> (Conkerberry, Marnuwiji)			
98.	2950 <i>Cassytha filiformis</i> (Love Vine, Jirawan)			
99.	48913 <i>Celtis strychnoides</i>			
100.	41562 <i>Cenchrus pedicellatus</i> subsp. <i>unispiculus</i>	Y		
101.	29721 <i>Cenchrus setiger</i> (Birdwood Grass)	Y		
102.	13680 <i>Centrosema pascuorum</i>	Y		

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
103.	30 <i>Ceratopteris thalictroides</i>			
104.	13756 <i>Chamaecrista mimosoides</i>			
105.	32 <i>Cheilanthes brownii</i>			
106.	40 <i>Cheilanthes pumilio</i>			
107.	12815 <i>Cheilanthes sieberi</i> subsp. <i>pseudovellea</i>			
108.	266 <i>Chloris barbata</i> (<i>Purpletop Chloris</i>)	Y		
109.	273 <i>Chrysopogon fallax</i> (<i>Golden Beard Grass</i>)			
110.	6732 <i>Clerodendrum tomentosum</i>			
111.	<i>Cochlospermum fraseri</i> subsp. <i>fraseri</i>			
112.	4863 <i>Corchorus pumilio</i>			
113.	4864 <i>Corchorus sidoides</i> (<i>Flannel Weed</i>)			
114.	18415 <i>Corchorus sidoides</i> subsp. <i>sidoides</i>			
115.	17073 <i>Corymbia aspera</i>			
116.	17088 <i>Corymbia cliftoniana</i>			
117.	17097 <i>Corymbia collina</i>			
118.	17080 <i>Corymbia confertiflora</i>			
119.	19125 <i>Corymbia dichromophloia</i>			
120.	14650 <i>Corymbia flavescens</i>			
121.	17092 <i>Corymbia opaca</i>			
122.	16775 <i>Corymbia opacula</i>			
123.	17101 <i>Corymbia ptychocarpa</i>			
124.	17102 <i>Corymbia ptychocarpa</i> subsp. <i>ptychocarpa</i>			
125.	3773 <i>Crotalaria crispata</i> (<i>Kimberley Horse Poison</i>)			
126.	20180 <i>Crotalaria montana</i> var. <i>angustifolia</i>			
127.	3785 <i>Crotalaria novae-hollandiae</i> (<i>New Holland Rattlepod</i>)			
128.	11231 <i>Crotalaria novae-hollandiae</i> subsp. <i>novae-hollandiae</i>			
129.	3786 <i>Crotalaria retusa</i> (<i>Wedgeleaf Rattlepod</i>)			
130.	3787 <i>Crotalaria verrucosa</i> (<i>Blueflower Rattlepod</i>)			
131.	17433 <i>Cullen badocanum</i>			
132.	17447 <i>Cullen pustulatum</i>			
133.	45973 <i>Cyanthillium cinereum</i> var. <i>lanatum</i>	Y		
134.	84 <i>Cycas pruinosa</i> (<i>Argyle Cycad</i>)			
135.	54 <i>Cyclosorus interruptus</i>			
136.	1628 <i>Cymbidium canaliculatum</i>			
137.	280 <i>Cymbopogon bombycinus</i> (<i>Silky Oilgrass</i>)			
138.	282 <i>Cymbopogon procerus</i> (<i>Lemon Grass</i>)			
139.	6584 <i>Cynanchum floribundum</i> (<i>Dumara Bush, Tjipa</i>)			
140.	6585 <i>Cynanchum pedunculatum</i>			
141.	46558 <i>Cynodon convergens</i>			
142.	12933 <i>Cyperus haspan</i> subsp. <i>juncooides</i>			
143.	797 <i>Cyperus holoschoenus</i>			
144.	798 <i>Cyperus iria</i>			
145.	802 <i>Cyperus macrostachyos</i>			
146.	12806 <i>Cyperus microcephalus</i> subsp. <i>chersophilus</i>			
147.	12805 <i>Cyperus microcephalus</i> subsp. <i>saxicola</i>			
148.	804 <i>Cyperus nervulosus</i>			
149.	16247 <i>Cyperus nutans</i> subsp. <i>eleusinoides</i>			
150.	806 <i>Cyperus polystachyos</i> (<i>Bunchy Sedge</i>)			
151.	818 <i>Cyperus vaginatus</i> (<i>Stiffleaf Sedge</i>)			
152.	14174 <i>Decaisnina angustata</i>			
153.	2393 <i>Dendrophthoe glabrescens</i>			
154.	3853 <i>Desmodium filliforme</i>			
155.	303 <i>Dichanthium fecundum</i> (<i>Curly Bluegrass</i>)			
156.	3612 <i>Dichrostachys spicata</i> (<i>Pied Piper Bush</i>)			
157.	17654 <i>Dicranopteris linearis</i> var. <i>linearis</i>			
158.	38462 <i>Dodonaea hispidula</i> var. <i>phylloptera</i>			
159.	11406 <i>Dodonaea lanceolata</i> var. <i>lanceolata</i>			
160.	4777 <i>Dodonaea polyzyga</i>			
161.	11674 <i>Dodonaea viscosa</i> subsp. <i>mucronata</i>			
162.	48390 <i>Dolichandrone occidentalis</i>			
163.	48752 <i>Drosera fragrans</i>			
164.	328 <i>Echinochloa colona</i> (<i>Awnless Barnyard Grass</i>)	Y		
165.	355 <i>Elytrophorus spicatus</i> (<i>Spikegrass</i>)			
166.	365 <i>Enneapogon polyphyllus</i> (<i>Leafy Nineawn</i>)			
167.	375 <i>Eragrostis cumingii</i> (<i>Cuming's Love Grass</i>)			
168.	377 <i>Eragrostis desertorum</i> (<i>Desert Lovegrass</i>)			
169.	395 <i>Eragrostis speciosa</i> (<i>Handsome Lovegrass</i>)			
170.	398 <i>Eragrostis tenellula</i> (<i>Delicate Lovegrass</i>)			
171.	414 <i>Eriachne obtusa</i> (<i>Northern Wandarrie Grass</i>)			
172.	420 <i>Eriachne sulcata</i>			

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173.	1154 <i>Eriocaulon cinereum</i>			
174.	19595 <i>Eriocaulon odontospermum</i>			
175.	1160 <i>Eriocaulon setaceum</i> (Water Pincushions)			
176.	34317 <i>Erythrina vespertilio</i> subsp. <i>biloba</i>			Y
177.	4365 <i>Erythroxyllum ellipticum</i>			
178.	5564 <i>Eucalyptus brachyandra</i> (Tropical Red Box)			
179.	5566 <i>Eucalyptus brevifolia</i> (Snappy Gum)			
180.	5674 <i>Eucalyptus houseana</i> (Kimberley White Gum)			
181.	15187 <i>Eucalyptus limitaris</i>			
182.	5753 <i>Eucalyptus pruinosa</i> (Silver Box, Kullingal)			
183.	<i>Eucalyptus</i> sp.			
184.	18219 <i>Eucalyptus tephrodes</i>			
185.	11011 <i>Eulalia aurea</i>			
186.	42849 <i>Euphorbia hassallii</i>			
187.	42872 <i>Euphorbia schultzei</i> var. <i>schultzei</i>			
188.	12097 <i>Euphorbia tannensis</i> subsp. <i>eremophila</i> (Desert Spurge)			
189.	42879 <i>Euphorbia trigonosperma</i>			
190.	11169 <i>Exocarpos latifolius</i> (Broad-leaved Cherry)			
191.	25812 <i>Ficus aculeata</i> var. <i>aculeata</i>			
192.	31578 <i>Ficus aculeata</i> var. <i>indecora</i> (Ranji)			
193.	1753 <i>Ficus platypoda</i> (Native Fig, Makartu)			
194.	11635 <i>Ficus racemosa</i> var. <i>racemosa</i>			
195.	14284 <i>Ficus tinctoria</i> subsp. <i>tinctoria</i>			
196.	843 <i>Fimbristylis cephalophora</i>			
197.	844 <i>Fimbristylis cinnamometorum</i>			
198.	850 <i>Fimbristylis depauperata</i>			
199.	867 <i>Fimbristylis nutans</i>			
200.	870 <i>Fimbristylis oxystachya</i>			
201.	872 <i>Fimbristylis pauciflora</i>			
202.	878 <i>Fimbristylis rara</i>			
203.	880 <i>Fimbristylis schultzei</i>			
204.	<i>Fimbristylis</i> sp.			
205.	15905 <i>Fimbristylis</i> sp. B Kimberley Flora (K.A. Menkhorst 767)			
206.	890 <i>Fimbristylis tetragona</i>			
207.	12013 <i>Flueggea virosa</i> subsp. <i>melanthesoides</i> (Dogwood, Guwal)			
208.	898 <i>Fuirena umbellata</i>			
209.	7327 <i>Gardenia megasperma</i> (Wild Gardenia, Malara)			
210.	7328 <i>Gardenia pyriformis</i> (Malara)			
211.	17561 <i>Gardenia resinosa</i> subsp. <i>resinosa</i>			
212.	<i>Gardenia</i> sp.			
213.	2836 <i>Glinus oppositifolius</i>			
214.	18205 <i>Gomphrena brachystylis</i> subsp. <i>brachystylis</i>			
215.	18372 <i>Gomphrena lanata</i>			
216.	18368 <i>Gomphrena leptoclada</i> subsp. <i>saxosa</i>			
217.	6158 <i>Gonocarpus leptothecus</i>			
218.	7500 <i>Goodenia coronopifolia</i>			
219.	7532 <i>Goodenia odonnellii</i>			
220.	7545 <i>Goodenia scaevolina</i> (Ngurubi)			
221.	13163 <i>Goodenia sepalosa</i> var. <i>sepalosa</i>			
222.	4910 <i>Gossypium australe</i> (Native Cotton)			
223.	19427 <i>Grevillea agrifolia</i> subsp. <i>agrifolia</i>			
224.	13442 <i>Grevillea byrnesii</i>			
225.	13444 <i>Grevillea dryandri</i> subsp. <i>dryandri</i>			
226.	2039 <i>Grevillea mimosoides</i>			
227.	2079 <i>Grevillea pyramidalis</i> (Caustic Bush, Tjungu)			
228.	2081 <i>Grevillea refracta</i> (Silver-leaf Grevillea, Jamooda)			
229.	16476 <i>Grevillea refracta</i> subsp. <i>refracta</i>			
230.	2099 <i>Grevillea striata</i> (Beefwood)			
231.	4872 <i>Grewia retusifolia</i> (Dog's Balls)			
232.	1466 <i>Haemodorum ensifolium</i>			
233.	16843 <i>Heliotropium brachythrix</i>			
234.	17294 <i>Heliotropium dichotomum</i>			
235.	17303 <i>Heliotropium euodes</i>			
236.	17031 <i>Heliotropium transforme</i>			
237.	443 <i>Heteropogon contortus</i> (Bunch Speargrass)			
238.	20463 <i>Hibiscus aphelus</i>			
239.	4933 <i>Hibiscus leptocladus</i>			
240.	4934 <i>Hibiscus meraukensensis</i> (Merauke Hibiscus)			
241.	4940 <i>Hibiscus setulosus</i>			
242.	11346 <i>Hybanthus enneaspermus</i> subsp. <i>enneaspermus</i>			

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243.	7171 <i>Hypoestes floribunda</i> (Bunu)			
244.	11264 <i>Ilex arnhemensis</i> subsp. <i>arnhemensis</i>			
245.	3973 <i>Indigofera colutea</i> (Sticky Indigo)			
246.	3978 <i>Indigofera hirsuta</i> (Hairy Indigo)			
247.	3980 <i>Indigofera linifolia</i>			
248.	3981 <i>Indigofera linnaei</i> (Birdsville Indigo)			
249.	6633 <i>Ipomoea muelleri</i> (Poison Morning Glory, Yumbu)			
250.	32477 <i>Isopterygium minutirameum</i> var. <i>minutirameum</i>			
251.	14627 <i>Isotropis</i> sp. Shark Bay (M.E. Trudgen 7170)			
252.	13012 <i>Jacksonia forrestii</i>			
253.	13553 <i>Jacquemontia pannosa</i>			
254.	6502 <i>Jasminum molle</i>			
255.	4656 <i>Jatropha gossypifolia</i> (Bellyache Bush)	Y		
256.	58 <i>Lindsaea ensifolia</i>			
257.	19112 <i>Lindsaea ensifolia</i> subsp. <i>ensifolia</i>			
258.	15102 <i>Livistona victoriae</i>			
259.	37480 <i>Lobelia arnhemica</i>			
260.	11567 <i>Lophostemon grandiflorus</i> subsp. <i>riparius</i>			
261.	4060 <i>Lotus australis</i> (Austral Trefoil)			
262.	6135 <i>Ludwigia octovalvis</i> (Willow Primrose)			
263.	6136 <i>Ludwigia perennis</i>			
264.	12813 <i>Lycopodiella cernua</i>			
265.	21 <i>Lygodium microphyllum</i> (Climbing Maidenhair)			
266.	11809 <i>Lysiana spathulata</i> subsp. <i>spathulata</i>			
267.	2400 <i>Lysiana subfalcata</i>			
268.	4658 <i>Mallotus nesophilus</i>			
269.	16540 <i>Marsdenia geminata</i>			
270.	6597 <i>Marsdenia velutina</i>			
271.	77 <i>Marsilea mutica</i>			
272.	<i>Marsilea</i> sp.			
273.	5875 <i>Melaleuca argentea</i> (Silver Cadjeput, Bandaran)			
274.	5923 <i>Melaleuca lasiandra</i>			
275.	5932 <i>Melaleuca leucadendra</i>			
276.	12472 <i>Melastoma affine</i>			
277.	4516 <i>Melia azedarach</i> (White Cedar)			
278.	12361 <i>Melicope elleryana</i>			
279.	14985 <i>Melinis repens</i>	Y		
280.	6519 <i>Mitrasacme connata</i>			
281.	6522 <i>Mitrasacme exserta</i>			
282.	6525 <i>Mitrasacme hispida</i>			
283.	489 <i>Mnesithea rottboelliioides</i>			
284.	17158 <i>Myoporum montanum</i> (Native Myrtle)			
285.	7337 <i>Nauclea orientalis</i> (Leichardt Pine)			
286.	67 <i>Nephrolepis arida</i>			
287.	69 <i>Nephrolepis hirsutula</i>			
288.	6971 <i>Nicotiana benthamiana</i> (Tjuntiwari)			
289.	4112 <i>Nomismia rhomboidea</i>			
290.	12499 <i>Oldenlandia spermacocoides</i>			
291.	2362 <i>Opilia amentacea</i>			
292.	4519 <i>Owenia vernicosa</i> (Emu Apple)			
293.	104 <i>Pandanus spiralis</i> (Screwpine, Wakirri)			
294.	7117 <i>Pandorea pandorana</i>			
295.	503 <i>Panicum decompositum</i> (Native Millet, Kaltu-kaltu)			
296.	3673 <i>Parkinsonia aculeata</i> (Parkinsonia)	Y		
297.	5226 <i>Passiflora foetida</i> (Stinking Passion Flower)	Y		
298.	13570 <i>Pavetta kimberleyana</i>			
299.	7357 <i>Pavetta muelleri</i>			Y
300.	42160 <i>Pentalepis trichodesmoides</i> subsp. <i>trichodesmoides</i>			
301.	11028 <i>Persicaria barbata</i>			
302.	16984 <i>Persicaria lapathifolia</i>	Y		
303.	2263 <i>Persoonia falcata</i> (Wild Pear, Gandala)			
304.	4672 <i>Petalostigma quadriculare</i> (Quinine Tree, Dilngeri)			
305.	3674 <i>Petalostylis cassioides</i>			
306.	1174 <i>Philydrum lanuginosum</i> (Frogsmouth)			
307.	4674 <i>Phyllanthus aridus</i>			
308.	9056 <i>Phyllanthus baccatus</i>			
309.	19743 <i>Pittosporum spinescens</i>			
310.	34939 <i>Plagiocarpus arcuatus</i>			
311.	6493 <i>Planchonella arnhemica</i> (Northern Yellow Boxwood, Mangarr)			
312.	35276 <i>Plectranthus scutellarioides</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
313.	6491 <i>Plumbago zeylanica</i> (Native Plumbago)			
314.	2898 <i>Polycarpaea corymbosa</i>			
315.	2901 <i>Polycarpaea holtzei</i>			
316.	2902 <i>Polycarpaea involucreta</i>			
317.	2903 <i>Polycarpaea longiflora</i>			
318.	11721 <i>Polycarpaea spirostylis</i> subsp. <i>glabra</i>			
319.	6655 <i>Polymeria calycina</i>			
320.	2881 <i>Portulaca filifolia</i>			
321.	6735 <i>Premna acuminata</i> (Ngalinginkal)			
322.	586 <i>Pseudochaetochloa australiensis</i>			
323.	1 <i>Psilotum nudum</i>			
324.	18207 <i>Psydrax attenuata</i> var. <i>tenella</i>			
325.	8190 <i>Pterocaulon niveum</i>			
326.	<i>Pterocaulon</i> sp.			
327.	8193 <i>Pterocaulon sphaeranthoides</i>			
328.	2705 <i>Ptilotus capitatus</i>			
329.	2713 <i>Ptilotus corymbosus</i>			
330.	2721 <i>Ptilotus exaltatus</i> (Tall Mulla Mulla)			
331.	2725 <i>Ptilotus fusiformis</i>			
332.	2761 <i>Ptilotus spicatus</i>			
333.	959 <i>Rhynchospora affinis</i>			
334.	<i>Riccia lamellosa</i>			
335.	<i>Riccia</i> sp.			
336.	2357 <i>Santalum lanceolatum</i> (Northern Sandalwood, Yarnguli)			
337.	598 <i>Schizachyrium crinizonatum</i>			
338.	48361 <i>Schoenoplectiella lateriflora</i> var. <i>lateriflora</i>			
339.	48359 <i>Schoenoplectiella mucronata</i> var. <i>mucronata</i>			
340.	16257 <i>Schoenoplectus subulatus</i>			
341.	1027 <i>Scleria brownii</i>			
342.	12959 <i>Scleria lingulata</i>			
343.	604 <i>Sehima nervosum</i> (Whitegrass)			
344.	12302 <i>Senna cladophylla</i>			
345.	12311 <i>Senna magnifolia</i>			
346.	12312 <i>Senna notabilis</i>			
347.	12319 <i>Senna venusta</i>			
348.	4198 <i>Sesbania formosa</i> (White Dragon Tree)			
349.	11235 <i>Sesbania simpliciuscula</i> var. <i>fitzroyensis</i>			
350.	4965 <i>Sida acuta</i>	Y		
351.	7004 <i>Solanum echinatum</i>			
352.	42883 <i>Solanum fecundum</i>			
353.	7008 <i>Solanum ferocissimum</i>			
354.	7021 <i>Solanum lucani</i>			
355.	7032 <i>Solanum quadrioculatum</i> (Tomato Bush)			
356.	620 <i>Sorghum stipoideum</i> (Annual Sorghum)			
357.	28345 <i>Spermacoce dolichosperma</i>			
358.	13573 <i>Spermacoce laevigata</i>			
359.	28347 <i>Spermacoce occidentalis</i>			
360.	4731 <i>Stackhousia intermedia</i>			
361.	7101 <i>Stemodia lythrifolia</i> (Bunu Bunu)			
362.	7102 <i>Stemodia viscosa</i> (Pagurda)			
363.	16717 <i>Stenocarpus acacioides</i>			
364.	2941 <i>Stephania japonica</i>			
365.	8235 <i>Streptoglossa bubakii</i>			
366.	8240 <i>Streptoglossa odora</i>			
367.	6536 <i>Strychnos lucida</i> (Strychnine Bush)			
368.	17445 <i>Stylidium adenophorum</i>			
369.	7729 <i>Stylidium fluminense</i>			
370.	7764 <i>Stylidium muscicola</i>			
371.	7769 <i>Stylidium pachyrrhizum</i>			
372.	7797 <i>Stylidium schizanthum</i>			
373.	43320 <i>Stylosanthes guianensis</i> var. <i>guianensis</i>	Y		
374.	12353 <i>Stylosanthes hamata</i> (Verano Stylo)	Y		
375.	4214 <i>Stylosanthes humilis</i> (Townsville Stylo)	Y		
376.	6042 <i>Syzygium angophoroides</i>			
377.	4253 <i>Templetonia hookeri</i>			
378.	39500 <i>Tephrosia brachyodon</i> var. <i>longifolia</i>			
379.	15947 <i>Tephrosia</i> sp. B Kimberley Flora (C.A. Gardner 7300)			
380.	34716 <i>Tephrosia</i> sp. Pentecost River (I.D. Cowie 4168)			
381.	13924 <i>Tephrosia spechtii</i>			
382.	4284 <i>Tephrosia stuartii</i>			

Name ID	Species Name	Naturalised	Conservation Code	¹ Endemic To Query Area
383.	5298 <i>Terminalia arostrata</i> (Crocodile Tree)			
384.	5299 <i>Terminalia bursarina</i> (Bendee)			
385.	5300 <i>Terminalia canescens</i> (Joolal)			
386.	5301 <i>Terminalia carpentariae</i> (Wild Peach)			
387.	5306 <i>Terminalia hadleyana</i>			
388.	17025 <i>Terminalia microcarpa</i>			
389.	5310 <i>Terminalia platyphylla</i> (Wild Plum, Durin)			
390.	5311 <i>Terminalia platyptera</i>			
391.	5314 <i>Terminalia volucris</i> (Rosewood)			
392.	673 <i>Themeda triandra</i>			
393.	7364 <i>Timonius timon</i>			
394.	1745 <i>Trema tomentosa</i>			
395.	31352 <i>Trema tomentosa</i> var. <i>aspera</i> (Peach Leaf Poison Bush)			
396.	32448 <i>Trematodon longicollis</i>			Y
397.	44261 <i>Trianthema oxycalyptum</i> var. <i>oxycalyptum</i>			
398.	44362 <i>Trianthema triquetrum</i>			
399.	4383 <i>Tribulus terrestris</i> (Caltrop)	Y		
400.	6727 <i>Trichodesma zeylanicum</i> (Camel Bush, Kumbalin)			
401.	8252 <i>Tridax procumbens</i> (Tridax, Tridax Daisy)	Y		
402.	17889 <i>Triodia bitextura</i>			
403.	13089 <i>Triodia burbridgeana</i>			
404.	687 <i>Triodia inutilis</i>			
405.	702 <i>Triodia stenostachya</i>			
406.	704 <i>Triodia wiseana</i> (Limestone Spinifex)			
407.	46394 <i>Triquetrella paradoxa</i>			
408.	16225 <i>Triumfetta antrorsa</i>			
409.	17857 <i>Triumfetta clivorum</i> subsp. <i>brevipetala</i>			
410.	4881 <i>Triumfetta plumigera</i>			
411.	13469 <i>Triumfetta triandra</i>			
412.	7156 <i>Utricularia uliginosa</i> (Asian Bladderwort)			
413.	30716 <i>Vachellia farnesiana</i> (Mimosa Bush)	Y		
414.	29526 <i>Vachellia pachyphloia</i> subsp. <i>brevipinnula</i>			
415.	29525 <i>Vachellia pachyphloia</i> subsp. <i>pachyphloia</i>			
416.	29529 <i>Vachellia valida</i>			
417.	4846 <i>Ventilago viminalis</i> (Supplejack, Barndaragu)			
418.	18503 <i>Vigna radiata</i> var. <i>sublobata</i>			
419.	48983 <i>Vincetoxicum cinerascens</i>			
420.	48987 <i>Vincetoxicum flexuosum</i>			
421.	6742 <i>Vitex glabrata</i> (Vitex, Yauru)			
422.	7390 <i>Wahlenbergia queenslandica</i>			
423.	729 <i>Xerochloa barbata</i> (Rice Grass)			
424.	732 <i>Yakirra australiensis</i>			
425.	38386 <i>Zinnia elegans</i>	Y		Y
426.	4848 <i>Ziziphus quadrilocularis</i>			
427.	12679 <i>Zornia muelleriana</i> subsp. <i>congesta</i>			

Conservation Codes

- T - Rare or likely to become extinct
- X - Presumed extinct
- IA - Protected under international agreement
- S - Other specially protected fauna
- 1 - Priority 1
- 2 - Priority 2
- 3 - Priority 3
- 4 - Priority 4
- 5 - Priority 5

¹ For NatureMap's purposes, species flagged as endemic are those whose records are wholly contained within the search area. Note that only those records complying with the search criterion are included in the calculation. For example, if you limit records to those from a specific datasource, only records from that datasource are used to determine if a species is restricted to the query area.