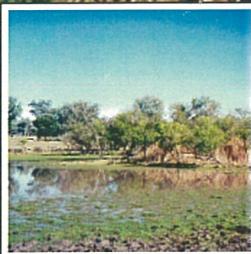
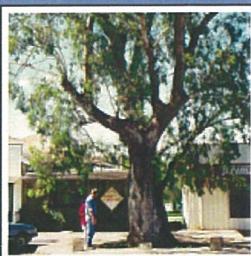
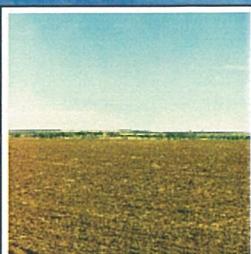
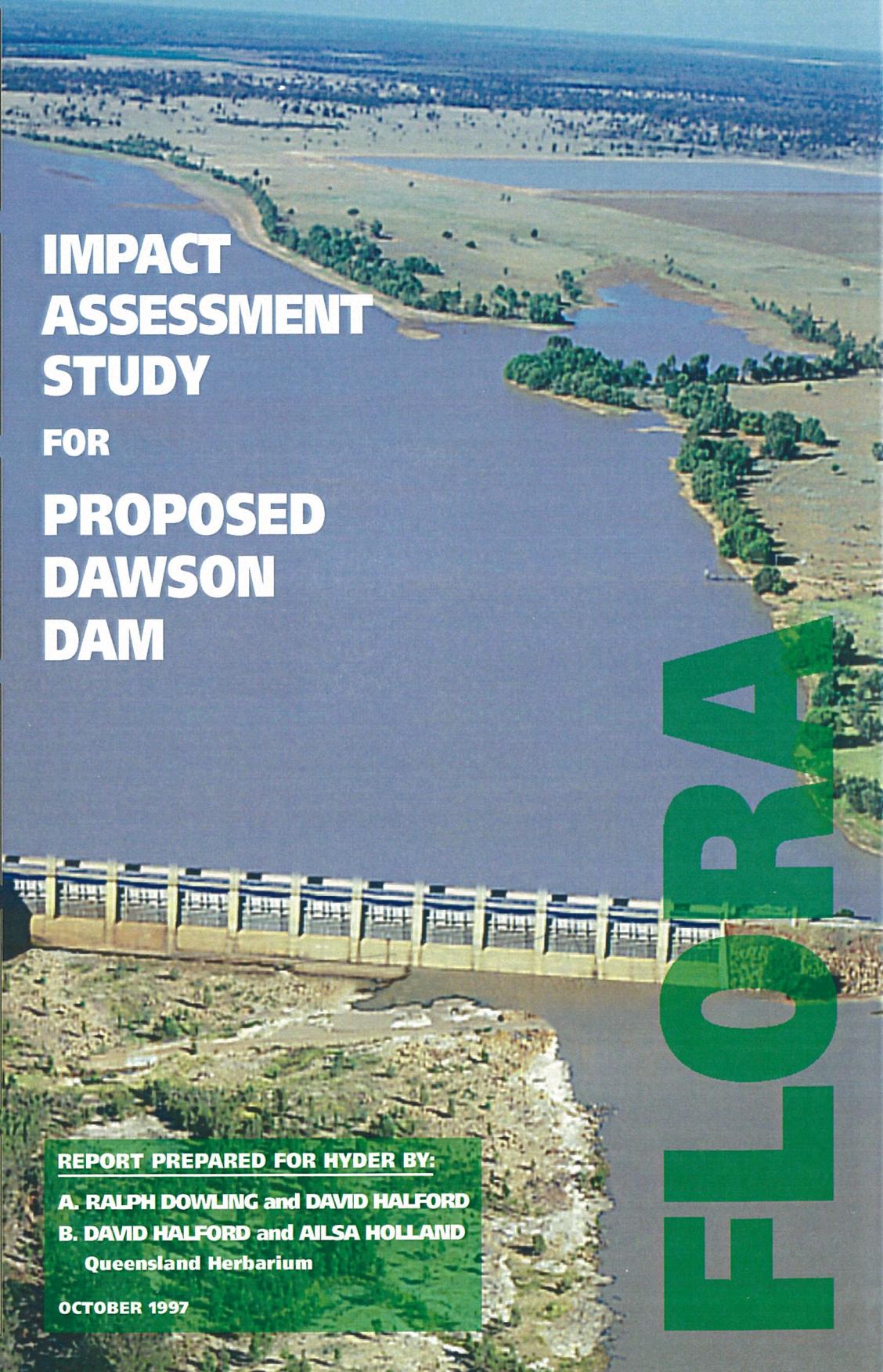




HYDER ENVIRONMENTAL
A DIVISION OF HYDER CONSULTING (AUSTRALIA) PTY LTD



IMPACT ASSESSMENT STUDY FOR PROPOSED DAWSON DAM



REPORT PREPARED FOR HYDER BY:

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PREFACE

This report on the likely impacts of the construction and operation of the proposed Dawson Dam on flora is presented in two parts. The front section of the report presents the findings of the flora study undertaken by the Queensland Herbarium of the Department of Environment in October 1996 in relation to the original dam site specified in the Terms of Reference at 313.9 km AMTD and for a maximum Full Supply Level for the impoundment of 185 m elevation.

The survey highlighted four species of significance: *Rutidosis crispata*, *Cryptandra* sp., *Bertia pedicellata* and *Livistona* sp. *Rutidosis crispata* and *Bertia pedicellata* are both listed as rare plants in Schedule 4 of the nature Conservation (Wildlife) Regulation 1994 to the *Nature Conservation Act 1992*. was found above the 185 m elevation FSL.

Bertia pedicellata, a euphorb, was observed growing on the lower north eastern slope of Mt Glebe, well above the FSL 185 m level and in a location where neither dam construction or operation is likely to cause any concern for the protection of this plant population. The species is known from several sites in central Queensland.

The collection of *Rutidosis crispata* (synonym *Rutidosis* sp. (Theodore P.I.Forster PIF2639)), a native daisy, was only the second ever made. The species type was collected from Glenmoral Gap near Theodore. It was found growing on Riverview property north east of Taroom, above the maximum 185 m FSL but within about 200 metres of the impoundment.

The time constraints imposed on the original survey did not permit a detailed survey of the area to determine the extent of the distribution of the observed population. It was possible that the rare species might be found growing down to the Dawson river and be flooded by the dam.

It was recommended that a detailed survey be undertaken as quickly as possible to study the distribution of *Rutidosis crispata* so this could be taken into account in any considerations of the design FSL for the proposed dam.

The Department of Natural Resources supported this supplementary work and the survey was undertaken by the Queensland Herbarium in August 1997. The results of that supplementary survey constitute the second part of this report.

The survey found that *Rutidosis crispata* is more widespread than previously thought with a number of sites observed in the vicinity of the Dawson River, but mainly above the FSL while a further site was located in the Isla Gorge National Park. Nevertheless the conservation coding of *Rare* is still considered appropriate for the species.

A third rare plant, *Cryptandra* sp. was found adjacent to the site of the original proposed cutoff wall and upstream of it on the northern side. The proposed dam site has now moved 1.4 km upstream, and a population of this plant will lie outside the direct influence of the dam construction and operation. The species has also been collected in the Precipice National Park.

Livistona sp., an unnamed palm, occurs in a number of locations within the original impoundment area defined by the 313.9 km AMTD dam site and the 185 m elevation contour, including Palm Tree Creek, Price Creek and Spring Creek.

With the relocation of the proposed dam wall upstream above the Dawson River - Price Creek confluence, the palms in the Price Creek catchment are completely protected from inundation by the dam.

Should the maximum dam FSL be set at 182 m EL, there would be very little impact on the

extensive areas of palms in Palm Tree Creek. At an intermediate level of 183.5 m EL, some palms would be lost, but much less than would be the case with a maximum design FSL of 185 m EL.

It should also be noted that this palm also occurs in Nathan Gorge, and more extensively to the west in the Carnarvons, including the Carnarvon Gorge National Park. The species is referred to in the published literature as *Livistona* sp "Carnarvon".

The survey mapped the areas of each vegetation community within the impoundment area and the envelope. Twelve vegetation mapping units were recognised plus a large area of cleared land (over 71% of the impoundment area). Eight of the map units appear to equate to regional ecosystems of which five appear to equate to ecosystems which, according to a draft Department of Environment report (Sattler & Williams, in prep), are of some conservation concern.

Four units were listed as *of concern*, with one unit (the Tall woodland of *Casuarina cristata* (belah)) listed as *endangered*. The *Brachychiton rupestris* map unit would also merit an *endangered* rating, although it does

not equate with any regional ecosystem listed in the DoE draft report.

The *Casuarina cristata* community occurs on *Balcarris* property and the *Brachychiton rupestris* on *Maloakey*, both communities being above the 185 m FSL, the latter considerably so.

While the communities listed in Sattler and Williams currently have no legal status, they do represent the current understanding of the conservation significance of these communities and as such it can be expected that they will form the basis of conservation planning in the future.



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PART A

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SUMMARY

This report presents a list of the species observed and the mapping units in which they were observed, a list of weed and introduced species, and a species list by family. Each mapping unit is described and its area determined. A vegetation map of the proposed dam impoundment and a surrounding envelope has been prepared at a scale of 1:50,000, and then reduced to a scale of 1:100,000 for presentation purposes. The report then comments on the conservation status of species and communities observed in the study area.

The study has indicated that, apart from the *boggomosses*, there appear to be no unique areas of vegetation within the proposed impoundment area. All vegetation types within the impoundment are widespread, both within the impoundment itself and downstream of the dam to the junction of the Dawson River with the Mackenzie River.

There are, however, conservation concerns regarding some communities. Vegetation map units (1,2,3, and 7) appear to equate to regional ecosystems "of concern" and vegetation map unit 10 appears to equate to an "endangered" ecosystem. These are listed in a draft report from the Department of Environment on the conservation status of regional ecosystems (Sattler and Williams, in prep.). Of particular conservation concern was the discovery of the rare plant *Rutidosis crispata* adjacent to the impoundment area, and a detailed survey has been recommended to determine the extent of its occurrence and also whether it extends into the impoundment. (see Discussion subsection *Species of Significance*). This survey should be undertaken before any decision is made concerning the design FSL for the dam.

INTRODUCTION

This report addresses a) the vegetation that occurs within the impoundment area of the proposed Dawson River Dam upstream of the Nathan Gorge at 313.9 km AMTD and within a design maximum Full Storage Level of 185 m EL; b) the vegetation occurring within an envelope surrounding the impoundment up to two kilometres in width; and c) riverine vegetation occurring downstream of the dam to the confluence of the Dawson and Mackenzie Rivers.

The report does not discuss the vegetation of the mound springs of the area, known locally as *boggomosses*, as these are the subject of a separate study.

AIMS AND OBJECTIVES

The aims of the study were to:

- (1) identify areas of botanical significance in the dam impoundment and adjacent area, and assess
 - potential adverse impact
 - potential beneficial impacts
 -
- (2) prepare species lists for the study area, identifying any rare or endangered species
- (3) produce a vegetation map at an appropriate scale suitable for planning and assessment purposes
- (4) log new data on to the vegetation database for Queensland.

METHODOLOGY

The Queensland Herbarium HERBRECS data base was consulted to indicate which species were likely to occur within the dam impoundment or surrounding areas. Aerial photographs were examined and interpreted for vegetation types. In addition, LANDSAT Imagery was examined to delineate boundaries of vegetation units.

Field work was undertaken in October and November 1996:

- in the impoundment area and a surrounding envelope of land up to 2 kilometres in width
- at three Dawson River crossings downstream of the proposed dam at
 - * Theodore
 - * Moura
 - * Baralaba

A total of 30 tertiary sites and 107 quaternary sites were examined using the Queensland Herbarium standard methodology (Thompson *et al*). The collected data were recorded on the Queensland Herbarium CORVEG data base.

A list of the plants observed or collected within the impoundment or envelope was made and a map showing the various verified vegetation units and their distribution was produced using GIS technology.

The schedules of the regulations of the Queensland *Nature Conservation Act 1992* (Anon 1992) were consulted to determine if there were any presumed extinct, endangered, vulnerable or rare plants within the impoundment or envelope. Sattler and Williams (in prep) was consulted to determine the conservation status of the various communities observed in the study area.

The naming convention used for structural form of the various communities is that proposed by Walker and Hopkins (1990). Botanical names used are those in Henderson (1994), except where the name has subsequently been changed, in which case the updated name is used. Names used are those current at 30th November 1996. A list of species observed or recorded during the course of the field work is presented in Appendix 1, Table 1 (Alphabetical List of Species) and Table 2 (Species Listing Sorted by Family).

TERRESTRIAL VEGETATION COMMUNITIES AND MAPPING UNITS

Within the impoundment and envelope study area the following mapping units and major vegetation communities within the impoundment are:

1. Tall Open forest of *Eucalyptus camaldulensis* (river red gum), *Eucalyptus tereticornis* (forest red gum) and *Eucalyptus coolabah* (coolibah)
2. Very tall Open forest-tall woodland of *Eucalyptus camaldulensis* (river red gum) and *Eucalyptus tereticornis* (forest red gum)
3. Tall woodland – Mid high Open forest of *Eucalyptus coolabah* (coolibah)
4. Tall Open forest of *Callitris glaucophylla* (white cypress pine)

5. Tall Open forest-Mid high Open forest – Mid high woodland of *Eucalyptus crebra* (narrow-leaved ironbark) and *Callitris glaucophylla* (white cypress pine)
6. Tall woodland- Mid high Open forest of *Acacia harpophylla* (brigalow), vine thicket and *Eucalyptus* spp.
7. Tall Open forest-Mid high woodland of *Eucalyptus populnea* (poplar box)
8. Tall woodland-Mid high Open forest-Mid high woodland of mixed *Eucalyptus* spp.
- 9a. Tall Open forest of Vine thicket.
- 9b. Tall woodland of *Brachychiton rupestris* (narrow-leaved bottle tree).
10. Tall woodland of *Casuarina cristata* (belah).
11. Mid high Open forest – Mid high woodland of *Acacia rhodoxylon* (rosewood).
12. Mid high Open forest – Mid high woodland of *Acacia rhodoxylon* (rosewood), *Acacia shirleyi* (lancewood) and *Acacia harpophylla* (brigalow).
13. Cleared. Lands used for agriculture, grazing and urban purposes
14. Water

Community and Mapping Unit Descriptions

1. Tall Open forest of *Eucalyptus camaldulensis* (river red gum), *Eucalyptus tereticornis* (forest red gum) and *Eucalyptus coolabah* (coolibah)

This unit occurs along the Dawson River and the tributaries that flow into it. *Eucalyptus camaldulensis* is common along the bank of the main river channel or along the edges of old river channels. *Eucalyptus tereticornis* can also be found growing in conjunction with *Eucalyptus camaldulensis* along the river channels but more commonly it is to be found growing higher on the river banks. *Eucalyptus coolabah* is always present being found along the river flats and higher up along the levee and along the river flood plain. *Melaleuca linariifolia* is also commonly present along the edges of the main river channel. *Livistona* sp. (Taroom R.W.Johnson 2764) may also be present in this unit. A sparse shrub layer is sometimes present and consists mainly of *Acacia* spp. The ground layer is somewhat variable, varying from sparse to dense depending on grazing pressure. It consists mainly of grass species but in parts *Lomandra longifolia* may become common. This community is generally associated with alluviums.

2. Very tall Open forest – tall woodland of *Eucalyptus camaldulensis* (river red gum) and *Eucalyptus tereticornis* (forest red gum)

This unit is found in the upper reaches of the tributaries of the Dawson River, though in places it may come close to the main Dawson River channel. It is also found in the Nathan Gorge. The tree species consists mainly of *Eucalyptus camaldulensis* and *Eucalyptus tereticornis* with *Eucalyptus tereticornis* being more common in the upper reaches of the

streams and *Eucalyptus camaldulensis* being more common towards the main Dawson River channel. Towards the upper reaches of the tributaries *Lophostemon suaveolens* becomes more common. *Livistona* sp. (Taroom R.W.Johnson 2764) may also be present in this unit. In the lower reaches there is generally little or no ground cover as a result of inundation and flooding and also probably as a result of grazing pressure. However in the upper reaches the ground layer is often very dense and consists mainly of grasses. This community is generally associated with alluviums.

3. Tall woodland – Mid high Open forest of *Eucalyptus coolabah* (coolibah)

This unit occurs on the Dawson River floodplain and associated creek systems where it is found on alluvial soils. The predominant tree species present is *Eucalyptus coolabah* though occasional clumps of *Acacia harpophylla* may be present. Along the main drainage lines of these communities, *Eucalyptus camaldulensis*, may be found but it is never common. Generally there is no shrub layer present and the ground layer varies from dense to sparse mainly as a result of grazing. The ground layer where present consists mainly of grasses. In some areas the soil layer is subject to sheet or rill erosion due to overgrazing.

4. Tall Open forest of *Callitris glauophylla* (white cypress pine)

This unit mainly occurs on relatively deep sandy soils which are generally found overlaying sandstones. The predominant species present is *Callitris glauophylla*, which commonly forms pure stands. The occasional eucalypt such as *Eucalyptus melanophloia* and *Eucalyptus tessellaris* may also be present. *Acacia decora*, *Acacia excelsa* and *Acacia leiocalyx* subsp. *leiocalyx* are also sometimes present in the shrub layer as are young trees of *Callitris glauophylla*. The ground layer is generally fairly sparse and consists of a large range of species of both forbs and grasses.

5. Tall Open forest – Mid high Open forest – Mid high woodland of *Eucalyptus crebra* (narrow – leaved ironbark) and *Callitris glauophylla* (white cypress pine)

This unit occurs on sandstone outcrops , mainly being found adjacent to Nathan Gorge. The predominant species present are *Eucalyptus crebra* and *Callitris glauophylla* which may occur as either mixed stands or as small patches of relatively pure stands. Other species present in the tree layer include *Eucalyptus cambageana*, *Eucalyptus melanophloia*, *Eucalyptus tessellaris* and *Angophora floribunda* with *Acacia harpophylla* also being present. The shrub layer can vary from sparse to dense and consists mainly of *Acacia amblygona*, *Acacia caroleae*, *Acacia deanei* subsp. *deanei*, *Acacia juncifolia* subsp. *juncifolia*, *Acacia leiocalyx* subsp. *leiocalyx*, *Allocasuarina luehmannii*, *Alphitonia excelsa*, *Angophora leiocarpa* and *Eremophila mitchellii*. The ground layer tends to be variable in its density and species composition but consists of grasses and forbs.

6. Tall woodland –Mid high Open forest of *Acacia harpophylla* (brigalow), vine thicket and *Eucalyptus* spp.

This unit consists of mixed areas of *Acacia harpophylla*, vine thicket species and *Eucalyptus* species which often occur in pure communities but which are too small to map individually. This community mainly occurs on soils derived from sandstones. The main tree species present are *Acacia harpophylla*, *Eucalyptus crebra*, *Eucalyptus cambageana*, *Brachychiton*

rupestris and *Brachychiton australis*. The shrub layer tends to consist of many mixed species while the ground layer especially in the vine thickets tends to be sparse to non existent though *Carissa ovata* is often present. In the Eucalyptus stands the ground layer is often grassy.

7. Tall Open forest – Mid high woodland of *Eucalyptus populnea* (poplar box)

This unit is dominated by *Eucalyptus populnea* and mainly occurs on alluvium and associated soils adjacent to the Dawson River but also occurs along the drainage lines that drain into it. The shrub layer tends to be sparse and mainly consists of *Eremophila mitchellii* and *Geijera parviflora*. The ground layer varies from sparse to dense depending on grazing pressure and consists of a mixture of grasses and forb species.

8. Tall woodland – Mid high Open forest – Mid high woodland of mixed *Eucalyptus* spp.

This unit represents an intergrade between a number of community types. The main tree species present are *Eucalyptus cambageana* *Eucalyptus crebra*, *Eucalyptus populnea*, *Eucalyptus tenuipes*, *Acacia harpophylla* and *Callitris glaucophylla*. The shrub layer includes *Acacia conferta*, *Acacia decora*, *Acacia excelsa*, *Acacia macradenia*, *Acacia rhodoxylon*, *Alphitonia excelsa*, *Atalaya hemiglaucha*, *Atalaya salicifolia*, *Canthium oleifolium*, *Denhamia pittosporoides*, *Geijera parviflora*, *Hakea fraseri*, *Lysiphyllyum carronii*, *Owenia venosa* and *Petalostigma pubescens*. The ground layer consists of a mixture of forbs and grasses.

9a. Tall Open forest of Vine thicket

This unit is dominated by trees of *Brachychiton rupestris*, *Acacia fasciculifera*, *Casuarina cristata* and *Lysiphyllyum carronii*. The low tree or shrub layer is varied and contains amongst other species *Acalypha eremorum*, *Alectryon connatus*, *Alectryon diversifolius*, *Atalaya salicifolia*, *Capparis lasiantha*, *Capparis mitchellii*, *Citriobatus spinescens*, *Croton insularis*, *Croton phebaloides*, *Denhamia oleaster*, *Geijera parviflora*, *Notelaea microcarpa*, *Pittosporum rhombifolium* and *Planchonella cotinifolia* var. *pubescens*. The ground layer is sparse and consists mainly of forbs and grasses with *Carissa ovata* commonly being present.

9b. Tall woodland of *Brachychiton rupestris* (narrow-leaved bottle tree)

This unit is dominated by large trees of *Brachychiton rupestris* with occasional trees of *Acacia fasciculifera* being present. Only one community of this type is found and it is present on Maloakey. The shrub layer consists mainly of *Croton insularis*, *Croton phebaloides* and *Geijera parviflora*. The ground layer is sparse and consists mainly of grasses and forbs though *Carissa ovata* is common.

10. Tall woodland of *Casuarina cristata* (belah)

This unit is restricted to one location on Balcarris. The tree layer consists of an almost pure stand of *Casuarina cristata* with some *Eucalyptus populnea* being present. The shrub layer consists mainly of *Acacia excelsa*, *Alectryon diversifolius*, *Atalaya salicifolia*, *Eremocitrus glauca* and *Eremophila mitchellii*. The ground layer is sparse and consists of a mixture of grasses and herbs, however *Carissa ovata* is widespread in the ground layer.

11. Mid high Open forest – Mid high woodland of *Acacia rhodoxylon* (rosewood)

This unit consists of an almost pure stand of *Acacia rhodoxylon* though *Eucalyptus crebra* and *Eucalyptus exserta* may also be present. It generally occurs on areas of laterised soils. The shrub layer tends to be sparse and consists of *Alphitonia excelsa*, *Alstonia constricta*, *Croton phebaloides*, *Flindersia australis* and *Owenia venosa*. The ground layer varies from dense to sparse depending on the depth of soils and grazing pressure. In highly disturbed areas *Cenchrus ciliaris* may be common.

12. Mid high Open forest – Mid high woodland of *Acacia rhodoxylon* (rosewood), *Acacia shirleyi* (lancewood) and *Acacia harpophylla* (brigalow)

This unit mainly occurs on a mixture of lateritic soils and sandstone outcrops. It is made up of a mosaic of small patches of relatively pure stands of each of these species. *Acacia harpophylla*, *Acacia shirleyi* and *Acacia rhodoxylon* occur in pure stands or mixed in together. It is more common to find *Acacia shirleyi* and *Acacia rhodoxylon* together than it is to find them associated with *Acacia harpophylla* which tends to form pure stands. Occasionally *Eucalyptus cambageana* may also be present. The shrub layer is sparse and consists mainly of *Eremophila mitchellii* and *Geijera parviflora*. The shrub layer is sparse and consists of a mixture of grasses and herbs as well as *Carissa ovata*.

13. Cleared

This unit consists of areas cleared or predominantly cleared or thinned and which are used for various agricultural pursuits such as cropping or grazing as well as land used for urban purposes.

14. Water

This unit consists of areas of free standing water and is confined to the Dawson River in the area upstream of the Glebe Weir.

A map of the vegetation distribution of the impoundment area and surrounding envelope is attached at the rear of this report. An alphabetical listing of species and occurrence in vegetation communities and mapping units is found at Appendix 2, while a list of species by map unit is given in Appendix 3.

Areas of Each Vegetation Community Type

The areas of each vegetation community and mapping unit within the impoundment area for the proposed dam and within the envelope to 2 km from the maximum 185 m FSL are given in Table 1.

Over 71% of the impoundment area has been cleared for agriculture, grazing and urban purposes (Map Unit 13). The two main vegetation communities are Tall Open forest of *Eucalyptus camaldulensis* (river red gum), *Eucalyptus tereticornis* (forest red gum) and *Eucalyptus coolabah* (coolibah) (Map Unit 1) and Tall woodland-Mid high Open forest of *Eucalyptus coolabah* (coolibah) (Map Unit 3). Map Unit 1 (Refer Vegetation Map) is the riverine vegetation of the unregulated portion of the Dawson River, while Map Unit 3 is typical remnant vegetation of the alluvial flood plains and associated creek systems.

Map Unit	Description	Inundation area within FSZ (ha)	% of inundated area	Envelope area to 2 km outside FSZ (ha)	Area mapped (ha)	Estimated National Ecosystem Type	Status of Regional Ecosystem according to Sather and Williams
1	Tall Open forest of <i>Eucalyptus camaldulensis</i> (river red gum) and <i>Eucalyptus coolabah</i> (coolibah)	1568.8	10.5	3368	1905.6	11.01.04	Of Concern
2	Very tall Open forest-tall woodland of <i>Eucalyptus camaldulensis</i> (river red gum) and <i>Eucalyptus tereicornis</i> (forest red gum)	339.1	2.3	235.2	574.3	11.01.04	Of Concern
3	Tall woodland-Mid high Open forest of <i>Eucalyptus coolabah</i> (coolibah)	1054.5	7.1	578.2	1632.7	11.01.03	Of Concern
4	Tall Open forest of <i>Callitris glaucophylla</i> (white cypress pine)	60.7	0.4	257.2	317.9	11.8.16	No concern at present
5	Tall Open forest-Mid high Open Forest-Mid high woodland of <i>Eucalyptus crenata</i> (narrow-leaved ironbark) and <i>Callitris glaucophylla</i> (white cypress pine)	50.9	0.3	1386.5	1437.4		
6	Tall woodland- Mid high Open forest of <i>Acacia harpophylla</i> (brigalow), vine thicket and <i>Eucalyptus</i> spp.	193.4	1.3	2729.0	2922.4		
7	Tall Open forest-Mid high woodland of <i>Eucalyptus populnea</i> (poplar box)	365.1	2.4	199.6	564.7	11.01.02	Of concern
8	Tall woodland-Mid high Open forest-Mid high woodland of mixed <i>Eucalyptus</i> spp.	208.5	1.4	649.6	858.1		
9a	Tall Open forest of Vine thicket			30.9	30.9		
9b	Tall woodland of <i>Brachychiton rupestris</i> (narrow-leaved bottle tree)			19.2	19.2		
10	Tall woodland of <i>Casuarina cristata</i> (belah)			8.1	8.1	11.2.12	Endangered
11	Mid high Open forest-Mid high woodland of <i>Acacia rhodoxylon</i> (rosewood)			317.6	317.6	11.3.2.	No concern at Present
12	Mid high Open forest-Mid high woodland of <i>Acacia rhodoxylon</i> (rosewood), <i>Acacia shirleyi</i> (lancewood) and <i>Acacia harpophylla</i> (brigalow)	0.6	<0.1	84.9	85.5	11.3.2.	No concern at present
13	Cleared. Lands used for agriculture, grazing and urban purposes	10638.0	71.4	34188.9	44826.9		
14	Water	431.1	2.9	431.1	431.1		
	Total (ha)	14910.7		41021.7	55532.4		

Table 1. Areas of each vegetation community and mapping unit within the impoundment area for the proposed dam and within the examined envelope

Conservation Status of Communities

Eight of the map units appear to equate to regional ecosystems which are listed in a draft report from the Department of Environment on the conservation status of regional ecosystems (Sattler & Williams, in prep.). Five of the map units appear to equate to ecosystems which, according to Sattler & Williams, are of some conservation concern. Of the map units occurring within the impoundment area, Map Unit 1, Map Unit 2, Map Unit 3, and Map Unit 7 are listed as *of concern*. Within the envelope area, Map Unit 10 (the Tall woodland of *Casuarina cristata* (belah)) is listed as *endangered*. Although Map Unit 9b does not equate with any regional ecosystem listed by Sattler & Williams, there are ecosystems with similar descriptions or containing species similar to the *Brachychiton rupestris* map unit that are listed as endangered.

While the communities listed in Sattler and Williams currently have no legal status, they do represent the current understanding of the conservation significance of these communities and as such it can be expected that they will form the basis of conservation planning in the future. However, until the mapping of regional ecosystems is completed for Queensland, these classifications can at best be considered only as interim.

AQUATIC FLORA

There are no areas that can be mapped and described as aquatic mapping units. This is because:

- (i) any areas likely to contain these species, such as billabongs, were dry at the time of field work, (and in any event they are not very common or widespread)
- (ii) the high turbidity of the Dawson River and its tributaries precludes the growth of species that are normally described as aquatic.

The following aquatic species were observed growing in water bodies such as dams and water troughs within the study area: *Azolla pinnata*, *Chara* sp., *Lemna trisulca* and *Ludwigia peploides* subsp. *montevidensis*.

VEGETATION DOWNSTREAM OF THE DAM SITE

The vegetation along the Dawson River downstream of the proposed dam site to the junction of the Dawson and Mackenzie Rivers was examined at the Dawson River crossings at Theodore, Moura and Baralaba. Because of limited access to the river and the time frame for the study, these were the only sites that could be readily accessed.

There is a weir at each of these locations with areas of natural riverine vegetation downstream of each weir. The vegetation at these locations was found to be similar to the vegetation of the Dawson River adjacent to, and immediately downstream of, the Glebe Weir, consisting predominantly of *Eucalyptus camaldulensis*, *E. tereticornis* along the river bank and channel, and *E. coolabah* on the levees and floodplain. At Theodore, *Livistona* sp (Taroom R.W.Johnson 2764) is also present in the understory.

Examination of LANDSAT Imagery suggests that there are no special or unusual vegetation types downstream of the dam to the junction of the Dawson River with the Mackenzie River and that the downstream vegetation is similar to riverine vegetation within the proposed dam area.

DISCUSSION

Species of Significance

Rutidosis crispata

Rutidosis crispata (synonym *Rutidosis sp.* (Theodore P.I.Forster PIF2639) (Family Asteraceae) was observed growing on Riverview (G. Brodie) within the surveyed envelope adjacent to the area to be flooded. This is only the second collection of this species. The location of this plant was on the Taroom 1:100,000 topographic map Sheet No. 8846 at AMG Zone 55, 792546 7171932 with an error of ± 63m. It has previously been collected from Glenmoral Gap, 13 km west south west of Theodore. This species is listed as a rare¹ plant in Schedule 4 of the Nature Conservation (Wildlife) Regulation 1994 to the *Nature Conservation Act 1992*. It is listed because in its previously known location it is vulnerable to destruction from grazing, clearing and weed invasion.

Under the *Nature Conservation Act* cognisance of this species is necessary and the Department of Environment's advice should be sought if disturbance to this population is planned. It is recommended that a detailed survey be undertaken in the vicinity of the area in which this species was found to determine the full extent of its distribution. Because of the limited time frame for this study it has not been possible to conduct such a detailed survey. However, as it is possible that this rare species is growing in the area of the impoundment adjacent to where it was found, such survey should be mounted as soon as possible, and certainly before any final determination is made concerning the design FSL.

In this regard, it should be recognised that the distribution of *Rutidosis crispata* within the study area may determine on legal grounds the maximum design level for full storage.

Even where a detailed survey indicates that the species does not occur within the proposed impoundment area, this rare species remains vulnerable to destruction because of grazing pressure on the area in which it was found. A range of measures should be considered to conserve this species.

Depending on the extent of its remaining distribution, this might include protective fencing and/or using various propagation techniques. Such measures would require further study and appropriate approvals under the *Nature Conservation Act*.

Cryptandra sp.

The presence of *Cryptandra sp.* (Isla Gorge P. Sharpe 627) adjacent to the proposed dam wall will need consideration in planning the construction of the dam wall. This is only the second known collection of this species. It was recorded on Cracow 1:100,000 topographic map, Sheet No. 8947 at AMG Zone 56, 210121 7181456 with an error of ±36m. It has previously only been recorded from the Isla Gorge National Park, to the south west of Theodore. It was recorded from sandstone in an area adjacent to the north of the proposed dam wall but is widespread in the area adjacent to the proposed dam wall at AMTD 313.9 and upstream of it on the northern side of the Dawson River. Though only known from one other location, this plant is not listed in the schedules of the *Nature*

¹ The designation 'rare' is defined in the *Nature Conservation Act 1992* as follows:

If the Governor in Council is of the opinion that native wildlife that is not threatened wildlife is rare, the wildlife may be prescribed as rare wildlife. (S79(1))

Rare wildlife may include native wildlife whose population is represented by —

*(a) a relatively large population in a restricted range; or
smaller populations thinly spread over a wider range (S79(2))*

Conservation Act 1992 as the Isla Gorge National Park is its previously known location and is therefore considered to be conserved. Plants of this species within the construction zone should be located and clearly marked so they are not damaged or destroyed as a result of activities in the area before, during and after dam construction.

Bertya pedicellata

Bertya pedicellata F.Muell. (Family Euphorbiaceae) was observed growing on the lower northern eastern slope of Mt Glebe above the FSL 185 level but within the surveyed 2 km envelope. This species is known from several sites in central Queensland. The distribution extends from near Nebo south to near Mundubbera and west to Aramac. This plant is listed as a rare plant in Schedule 4 of the Nature Conservation (Wildlife) Regulation 1994 to the *Nature Conservation Act 1992*. This species should not be damaged or destroyed as a result of dam construction. The occurrence is well above the maximum design FSL and Mt Glebe is a considerable distance from the construction site of the proposed dam.

Livistona sp.

Another species that is likely to be of conservation concern is *Livistona* sp (Taroom R.W.Johnson 2764). Though not listed on the Schedules of the Regulations of the *Nature Conservation Act 1992*, this undescribed species of palm is of conservation significance because of its restricted distribution in the Taroom and Theodore districts, mainly in wetter areas along the Dawson and its tributaries. It is also common in the Carnarvon Gorge National Park where it grows in large colonies along streams and flood terraces, and extending to rocky gorges (Jones 1984). Colonies of the species occur at a number of locations within the impoundment area, including Palm Tree Creek, Price Creek and Spring Creek².

The destruction of the palm due to dam development may cause concern in the wider community because of the affinity of the general public with palms.

It is recommended that:

- specimens of this palm that will be destroyed as a result of dam construction or impoundment be recovered and transplanted elsewhere, or made available to the nursery trade, local authorities or the general public; and
- as much seed as possible should be collected for propagation purposes from trees that are to be destroyed.

Appropriate advice on the collection and growing of this seed should be sought from specialist organisations such as the Queensland Palm and Cycad Society and the Queensland Nursery Industry Association.

Grevillea robusta

Grevillea robusta (silkyoak) was observed growing on Bookabie (Property 26) in Map Unit 6 in a situation which indicated that it was a natural occurrence and not introduced by man. This locality is approximately 200km west of the nearest previously known locality of this species on the Woolooga to Biggenden road near Kilkivan and represents a substantial extension of the known range of silkyoak in south east Queensland.

² Note that were the dam construction to proceed to a FSL of 182 m or less, the palms in Price Creek and Palm Tree Creek would not be impacted to any significant extent.

Areas of Remnant Vegetation

There are two areas *within the envelope* that contain communities that are considered to be of significance and worthy of special management or conservation action. These communities are:

- (i) the *Casuarina cristata* community which occurs on *Balcarris* and
- (ii) the *Brachychiton rupestris* community that occurs on *Maloakey*.

The *Casuarina cristata* community is listed in Sattler and Williams (in prep) as endangered. The community occurs only about 100 metres above the 185 m FSL.

Communities with similar descriptions or containing species similar to the *Brachychiton rupestris* community are also listed as endangered. These communities are subject to grazing pressure and the most appropriate management strategy would be to fence them. It should be noted from the Vegetation Map that the observed occurrence of this community (Map Unit 9b) was to the north east of Palm Tree Creek and some distance from the impoundment³.

Introduced and weedy species

Those species that are considered to be alien and which are naturalised or which are classed as weeds are listed in Appendix 4. Except for buffel grass (*Cenchrus ciliaris*) no one species is particularly common or forms dense stands within the study area, with most species being widespread and occurring in most vegetation types.

The only species of particular importance as weeds are *Opuntia stricta* var. *stricta* and *Opuntia tomentosa* which are widespread throughout the area and in the past have posed serious problems, though they are now well controlled. *Opuntia aurantiaca* is also widespread and is probably spreading as a result of cattle and animal movement and to a lesser extent from vehicle movements⁴.

Revegetation

Dam construction will result in the loss of the mixed *Eucalyptus camaldulensis*, *Eucalyptus tereticornis*, *Eucalyptus coolabah* communities, along the bed of the Dawson River, and *Eucalyptus coolabah* communities of the Dawson River floodplain and associated creek systems upstream of the dam to FSL 185.

It is likely, that over time, both community types, or ones similar in species content, will regenerate along the edge of the impoundment where conditions are suitable. For the *Eucalyptus camaldulensis*, *Eucalyptus tereticornis*, *Eucalyptus coolabah* communities this should occur where the banks of the dam are steeper or in the upper parts of the dam and streams running into it which are likely to remain in a more or less natural state and not be subject to gross fluctuations in water level.

Regeneration of this community is occurring along the banks of the Dawson River and around the margins of the Glebe weir pool. Similar regeneration is likely to occur around parts of the banks of the proposed storage.

³ Note that with a reduction of the FSL to 182 metres EL, this *Brachychiton rupestris* community could not possibly be affected by the dam construction, operation or management. However, this community is uncommon in the area and is worthy of special conservation action.

⁴ Special care should be taken with management of any buffer zone to the impoundment area to ensure that it does not become a harbour for *Opuntia aurantiaca* (tiger pear) and appropriate care is taken with stock and vehicle movements to reduce risk of its spread.

However, such regeneration is likely to be limited in extent because the relatively level banks that occur over much of the impoundment would favour the establishment of *E. coolabah* instead. The *Eucalyptus camaldulensis*, *Eucalyptus tereticornis*, *Eucalyptus coolabah* communities which do re-establish where the banks are steeper could not be expected to have the same width and extent of the original communities prior to impoundment.

Eucalyptus coolabah communities are widespread in areas of alluvial soils associated with the floodplain. Communities of this type have been extensively cleared for agricultural purposes. Many of the soil types on which they occur are in areas that are likely to be shallowly inundated. Coolibah is unlikely to regenerate on soil types that are different from those on which it naturally occurs. Regeneration of this species is likely when alluvial soils are subject to an extended period of drying as the water level of the dam falls following inundation. However as the water rises again, any coolibah regrowth will be killed because it cannot tolerate 'wet feet'.

Natural regeneration of poplar box, brigalow and narrow-leaved ironbark is likely to occur in many areas bordering the impoundment as they are widespread within the area surrounding the proposed dam. On the southern edge of the impoundment it is likely that both poplar box and brigalow will regenerate because of the nature of the soils and the natural occurrence of these species on the southern side of the proposed dam. On the northern bank of the impoundment, because of the sandier soils that occur there, poplar box and *Eucalyptus crebra* (narrow-leaved ironbark) are more likely to regenerate.

It should be feasible to plant or seed suitable areas with mixtures of *Eucalyptus camaldulensis*, *Eucalyptus tereticornis*, *Eucalyptus coolabah* and *Melaleuca linariifolia*. However, as noted earlier, in those areas that are suitable natural regeneration is likely to occur and seeding would therefore be a waste of time, money and effort, except where some special purpose is sought, such as the early recreation of habitat to facilitate wildlife movement.

Environmental Flows

The need for the maintenance of 'environmental flows to maintain river ecosystems is now of widespread community concern. The Dawson River downstream of the dam consists of a river bed with meanders and billabongs, and a river flood plain that contains some swampy areas as an integral part of that system. Peak flows below the proposed dam should be sufficient to flood the river, refill its billabongs, inundate the flood plain and periodically flush the river. Without peak flows to refill the billabongs and swamps, they are not viable in the long term and will be replaced by other drier ecosystem types.

The river vegetation downstream of the dam consists mainly of *Eucalyptus camaldulensis*, *Eucalyptus tereticornis*, *Eucalyptus coolabah* communities, similar in floristic and community composition to that to be found in the dam impoundment area and associated creek systems.

This vegetation is subject to periodic inundation, has adapted to that flood regime, and requires periodic flood flows to ensure long term survival. This is particularly important for the flood plain communities which consist mainly of *Eucalyptus coolabah*, for which long term maintenance and survival will depend on the provision of appropriate and timely environmental flows, including the simulation, if necessary, of flood flows.

Billabongs within the Dawson River need to be flooded periodically to maintain riparian species, most of which require damp soil or adjacent free standing water. These billabongs are normally

filled as a result of periodic flooding of the Dawson River but with dam construction may need to be filled periodically by special water releases from the dam storage.

For the long term viability of the vegetation that is dependent on these flows, a water storage system which permits the ready passage of flood flows and is managed to maintain environmental flows is preferable to a system which cannot accommodate these requirements. From the flora perspective, a series of smaller weirs, such as Glebe Weir, are considered more suitable system for water regulation for agricultural use than is a large dam. Such weirs permit peak flows to overtop the spillway during floods, whereas a large dam located on a river which experiences intermittent flows, and is expressly designed or managed to harvest flood flows for later slow release downstream, does not provide the same opportunity for maintaining those ecosystems which are dependent on periodic floods.

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APPENDIX 1

SPECIES OBSERVED DURING THE COURSE OF FIELD WORK

During the course of field work the following species were observed growing within the proposed impoundment area or within the surveyed envelope. These species are listed alphabetically together with their common name and special status, if any, in Table 1 below.

Due to the time frame of the survey and, more importantly, due to seasonal factors, this list will not contain all species that grow within these areas. Seasonal factors can result in other species being present at certain times of the year. For example, all billabongs were dry or nearly dry so many water plants that would normally be expected to occur (eg *Nymphaea*) were not present.

Table 2 lists the species by botanical Family.

Table 1 - Alphabetical List of Species

Note: ♦ in Status represents introduced species or weed;
R = Rare as defined in Queensland Conservation Act 1992

Species	Common name	Status
Abutilon fraseri (Hook.) Hook. ex Walp.	dwarf lantern flower	
Abutilon oxycarpum (F.Muell.) F. Muell. ex Benth. forma oxycarpum	flannel weed	
Abutilon oxycarpum forma acutatum Benth.	prickly wattle	
Acacia amblygona Benth.		
Acacia caroleae Pedley	crowded-leaf wattle	
Acacia conferta Benth.	green wattle	
Acacia deanei (R.T. Baker) M.B. Welch, Coombs & McGlynn subsp. deanei	pretty wattle	
Acacia decora Rchb.	ironwood	
Acacia excelsa Benth.	mimosa bush	
Acacia farnesiana (L.) Willd.	scrub ironbark	♦
Acacia fasciculifera F. Muell. ex Benth.	brigalow	
Acacia harpophylla F. Muell. ex Benth.		
Acacia juncifolia Benth. subsp. juncifolia	Brisbane black wattle	
Acacia leiocalyx (Domin) Pedley subsp. leiocalyx		
Acacia longispicata Benth.	zigzag wattle	
Acacia macradenia Benth.	rosewood	
Acacia rhodoxylon Maiden	sally wattle	
Acacia salicina Lindl.	lancewood	
Acacia shirleyi Maiden	currawong	
Acacia sparsiflora Maiden	river cooba	
Acacia stenophylla A. Cunn. ex Benth.	soft acalypha	
Acalypha eremorum Muell. Arg.	chaff flower	
Achyranthes aspera L.		♦
Adriana glabrata var. subglabra (Baill.) Airy Shaw	blowngrass	
Agrostis avenacea J.F. Gmel. var. avenacea	Australian bugle	
Ajuga australis R. Br.	grey birds-eye	
Alectryon connatus (F. Muell.) Radlk.	scrub boonaree	
Alectryon diversifolius (F. Muell.) S. Reynolds		

Species	Common name	Status
<i>Alectryon oleifolius</i> subsp. <i>elongatus</i> S.T. Reynolds	boonaree	
<i>Allocasuarina luehmannii</i> (R.T. Barker) L.A.S. Johnson	bull oak	
<i>Alphitonia excelsa</i> (A. Cunn. ex Fenzl) Reissek ex Benth.	soap tree	
<i>Alstonia constricta</i> F.Muell.	bitterbark	
<i>Alternanthera denticulata</i> R. Br.	lesser joyweed	
<i>Alternanthera nodiflora</i> R.Br.	joyweed	
<i>Amaranthus graecizans</i> subsp. <i>sylvestris</i> (Vill.) Asch.	green amaranth	♦
<i>Amaranthus viridis</i> L.		♦
<i>Ampelopteris prolifera</i> (Retz.) Copel.	erect mistletoe	
<i>Amyema congener</i> (Sieber ex Schult. & Schult.f.) Tiegh. subsp. <i>congener</i>		
<i>Amyema quandang</i> var. <i>bancroftii</i> (F.M.Bailey) Barlow	hooky grass	
<i>Ancistrachne uncinulata</i> (R. Br.) S.T. Blake	roughbark apple	
<i>Angophora floribunda</i> (Sm.) Sweet	smooth-bark apple	
<i>Angophora leiocarpa</i> (L.A.S. Johnson ex G.J. Leach) K.R. Thiele & Ladiges	broom bush	♦
<i>Apophyllum anomalum</i> F. Muell.		
<i>Argemone ochroleuca</i> Sweet subsp. <i>ochroleuca</i>	many headed wiregrass	
<i>Aristida benthamii</i> var. <i>spinulifera</i> B.K.Simon		
<i>Aristida calycina</i> R. Br. var. <i>calycina</i>		
<i>Aristida calycina</i> var. <i>praealta</i> Domin		
<i>Aristida caput-medusae</i> Domin		
<i>Aristida gracilipes</i> (Domin) Henrard		
<i>Aristida latifolia</i> Domin		
<i>Aristida leichhardtiana</i> Domin		
<i>Aristida lignosa</i> B.K.Simon		
<i>Aristida personata</i> Henrard		
<i>Aristida queenslandica</i> Henrard var. <i>queenslandica</i>		
<i>Aristida queenslandica</i> var. <i>dissimilis</i> (S.T.Blake) B.K.Simon	purple wiregrass	
<i>Aristida ramosa</i> R.Br.	reed grass	
<i>Arundinella neplanensis</i> Trin.	common woodruff	
<i>Asperula conferta</i> Hook.f.	wild aster	♦
<i>Asperula geminifolia</i> F. Muell.	whitetwood	
<i>Aster subulatus</i> Michx.	whitetwood	
<i>Atalaya hemiglaucia</i> (F.Muell) F.Muell. ex Benth.	annual saltbush	
<i>Atalaya salicifolia</i> (A. DC.) Blume	smooth-barked ironwood	
<i>Atriplex muelleri</i> Benth.	slender bamboo grass	
<i>Austumomyrtus bidwillii</i> (Benth.) Burret	fernly azolla	
<i>Austrostipa verticillata</i> (Nees ex Spreng.) S.W.L. Jacobs & J. Everett	groundsel bush	♦
<i>Azolla pinnata</i> R.Br.		
<i>Baccharis halimifolia</i> L.		
<i>Bacopa monnieri</i> (L.) Pennell	bipinnate beggar's ticks	R
<i>Basilicum polystachyon</i> (L.) Moench		♦
<i>Bertya oleifolia</i> Planch.		
<i>Bertya pedicellata</i> F. Muell.		
<i>Bidens bipinnata</i> L.		
<i>Boerhavia dominii</i> Meidle & Hewson		
<i>Boerhavia pubescens</i> R. Br.	forest bluegrass	
<i>Bothriochloa bladhii</i> (Retz.) S.T. Blake subsp. <i>bladhii</i>	pitted bluegrass	
<i>Bothriochloa decipiens</i> (Hack.) C.E. Hubb. var. <i>decipiens</i>		
<i>Brachiaria eruciformis</i> (Sm.) Griseb.	leafy panic	
<i>Brachiaria foliosa</i> (R. Br.) Hughes	broad-leaved bottle tree	
<i>Brachiaria subquadripara</i> (Trin.) Hitch.	kurrajong	
<i>Brachychiton australis</i> (Schott & Endl.) A. Terracc.	narrow-leaved bottle tree	
<i>Brachychiton populneus</i> (Schott & Endl.) R. Br. subsp. <i>populneus</i>		
<i>Brachychiton rupestris</i> (Mitch. ex Lindl.) K. Schum.	golden everlasting	
<i>Brachyscome trachycarpa</i> F. Muell.		
<i>Bracteantha bracteata</i> (Vent.) Anderb. & Haegi		

Species	Common name	Status
<i>Breynia oblongifolia</i> (Muell. Arg.) Muell. Arg.	coffee bush	
<i>Brunoniella australis</i> (Cav.) Bremek.	blue trumpet	
<i>Bursaria incana</i> Lindl. var. <i>incana</i>		
<i>Callitricha sonderi</i> Hegelm.	starwort	
<i>Callitris glauophylla</i> Thompson & L.A.S.Johnson	white cypress pine	
<i>Calotis cuneata</i> (F. Muell. ex Benth.) G.L. Davis	blue burr daisy	
<i>Calotis cuneifolia</i> R.Br.		
<i>Calotis dentex</i> R. Br.	white burr daisy	
<i>Calotis hispidula</i> (F. Muell.) F. Muell.	bogon flea	
<i>Calotis lappulacea</i> Benth.	yellow burr daisy	
<i>Calyptochloa gracillima</i> C.E. Hubb.		
<i>Canthium coprosmoides</i> F. Muell.	coastal coffee bush	
<i>Canthium odoratum</i> (G. Forst.) Seem.		
<i>Canthium oleifolium</i> Hook.	myrtle tree	
<i>Canthium</i> sp. (Berrigurra Station E.R.Anderson 2829)		
<i>Canthium vacciniifolium</i> F. Muell.	small-leaved canthium	
<i>Capillipedium spicigerum</i> S.T. Blake	scented top	
<i>Capparis canescens</i> Banks ex DC.	wild orange	
<i>Capparis lasiantha</i> R. Br. ex DC.	nipan	
<i>Capparis loranthifolia</i> var. <i>bancroftii</i> C.T. White ex M. Jacobs	narrow leaf bumble-tree	
<i>Capparis mitchellii</i> Lindl.		
<i>Carex appressa</i> R. Br.	tall sedge	
<i>Carex polyantha</i> F. Muell.		
<i>Carissa ovata</i> R.Br.	current bush	
<i>Cassia tomentella</i> Domin	velvet cassia	
<i>Cassine australis</i> var. <i>angustifolia</i> (Benth.) Jessup	red oliveplum	
<i>Cassinia laevis</i> R. Br.	coughbush	
<i>Casuarina cristata</i> Miq.	belah	
<i>Cenchrus ciliaris</i> L.	buffel grass	
<i>Centaurea melitensis</i> L.	Maltese cockspur	♦
<i>Centaureum erythraea</i> Rafn.	common centaury	♦
<i>Centella asiatica</i> (L.) Urb.	pennywort	
<i>Centipeda minima</i> (L.) A. Braun & Aschers	spreading sneezeweed	
<i>Chamaesyce dallachiana</i> (Baill.) D.C. Hassall	caustic-weed	
<i>Chara</i> sp.	stonewort	
<i>Cheilanthes distans</i> (R. Br.) Mett.	bristly cloak fern	
<i>Cheilanthes sieberi</i> Kunze subsp. <i>sieberi</i>	mulga fern	
<i>Chenopodium ambrosioides</i> L.	Mexican tea	♦
<i>Chenopodium carinatum</i> R. Br.	green crumbweed	
<i>Chenopodium desertorum</i> subsp. <i>andiophyllum</i> (Aellen) Paul G. Wilson		
<i>Chenopodium pumilio</i> R. Br.	small crumbweed	
<i>Chionachne cyathopoda</i> (F. Muell.) F. Muell. ex Benth.	river grass	
<i>Chloris divaricata</i> R. Br.	slender chloris	
<i>Chloris gayana</i> Kunth	rhodes grass	
<i>Chloris ventricosa</i> R. Br.	tall chloris	♦
<i>Chrysoccephalum apiculatum</i> (Labill.) Steetz	yellow buttons	
<i>Ciclospermum leptophyllum</i> (Pers.) Sprague	slender celery	♦
<i>Cirsium vulgare</i> (Sav.) Ten.	spear thistle	♦
<i>Cissus opaca</i> F. Muell.	slender grape	
<i>Citriobatus spinescens</i> (F. Muell.) Druce	large-fruited orange thorn	
<i>Claoxylon tenerifolium</i> (Baill.) F. Muell.	Queensland brittlewood	
<i>Cleistochloa subjuncea</i> C.E. Hubb.		
<i>Clerodendrum floribundum</i> R. Br.	lollybush	
<i>Commelina diffusa</i> Burm.f.	wandering jew	
<i>Conyza bonariensis</i> (L.) Cronq.	flaxleaf fleabane	♦
<i>Coronopus didymus</i> (L.) Smith	lesser swine-cress	♦

Species	Common name	Status
<i>Corymbia clarksoniana</i> (D.J. Carr & S.G. Carr) K.D. Hill & L.A.S. Johnson	long-fruited bloodwood	
<i>Crassula sieberiana</i> (Schult. & Schult.f.) Druce	native crassula	
<i>Crotalaria incana</i> L. subsp. <i>incana</i>	woolly rattlepod	♦
<i>Crotalaria montana</i> Roth		
<i>Croton insularis</i> Baill.	native cascarilla bark	
<i>Croton phebaloides</i> F. Muell. ex Muell. Arg.	narrow-leaved croton	
<i>Cryptandra</i> sp. (Isla Gorge P.Sharpe 627)		
<i>Cuscuta campestris</i> Yunck.	dodder	♦
<i>Cyclosorus interruptus</i> (Willd.) H.Ito		
<i>Cymbidium canaliculatum</i> R.Br.		
<i>Cymbopogon bombycinus</i> (R. Br.) Domin	silky oilgrass	
<i>Cymbopogon refractus</i> (R.Br.) A. Camus	barb wire grass	
<i>Cynodon dactylon</i> (L.) Pers. var. <i>dactylon</i>	green couch	
<i>Cynoglossum australe</i> R. Br. var. <i>australe</i>	Australian forget me not	
<i>Cyperus difformis</i> L.	rice sedge	
<i>Cyperus flaccidus</i> R. Br.		
<i>Cyperus gracilis</i> R. Br.	slender sedge	
<i>Cyperus iria</i> L.		
<i>Cyperus lucidus</i> R. Br.		
<i>Cyperus polystachyos</i> Rottb. var. <i>polystachyos</i>	bunchy sedge	
<i>Cyperus pygmaeus</i> Rottb.	dwarf sedge	
<i>Cyperus rigidellus</i> (Benth.) J.M. Black		
<i>Cyperus rotundus</i> L.	nutgrass	♦
<i>Cyperus sanguinolentus</i> Vahl		
<i>Cyperus sphaeroideus</i> L.A.S. Johnson & O.D. Evans	kyllinga weed	
<i>Datura ferox</i> L.	fierce thornapple	♦
<i>Daucus glochidiatus</i> (Labill.) Fischer, C.A.Meyer & Ave-Lall.	Australian carrot	
<i>Denhamia oleaster</i> (Lindl.) F. Muell.		
<i>Denhamia pittosporoides</i> F. Muell.	orange boxwood	
<i>Desmodium brachypodium</i> A. Gray		
<i>Desmodium rhytidophyllum</i> F. Muell. ex Benth.	slender tick trefoil	
<i>Desmodium varians</i> (Labill.) G. Don		
<i>Dianella brevipedunculata</i> R.F.J. Hend.		
<i>Dianella caerulea</i> var. <i>vannata</i> R.J.F. Hend.		
<i>Dianella longifolia</i> R. Br. var. <i>longifolia</i>		
<i>Dichanthium sericeum</i> subsp. <i>humilius</i> (J.M. Black) B.K. Simon		
<i>Dichondra repens</i> J.R. Forst. & G. Forst.	kidney weed	
<i>Digitaria breviglumis</i> (Domin) Henrard		
<i>Digitaria brownii</i> (Roem. & Schult.) Hughes	cotton panic	
<i>Digitaria divaricatissima</i> (R. Br.) Hughes	umbrella grass	
<i>Digitaria longiflora</i> (Retz.) Pers.		
<i>Diospyros humilis</i> (R. Br.) F. Muell.	small-leaved ebony	
<i>Dodonaea heteromorpha</i> J.G. West		
<i>Dodonaea viscosa</i> subsp. <i>spatulata</i> (Sm.) J.G. West	sticky hop bush	
<i>Dysphania glomulifera</i> (Nees) Paul G. Wilson subsp. <i>glomulifera</i>		
<i>Echinochloa crusgalli</i> (L.) P. Beauv.	barnyard grass	♦
<i>Eclipta prostrata</i> (L.) L.	white eclipta	
<i>Ehretia membranifolia</i> R. Br.	weeping koda	
<i>Einadia hastata</i> (R. Br.) A.J. Scott	ruby saltbush	
<i>Einadia nutans</i> (R. Br.) A.J. Scott subsp. <i>nutans</i>	nodding saltbush	
<i>Einadia nutans</i> subsp. <i>linifolia</i> (R. Br.) Paul G. Wilson	climbing saltbush	
<i>Einadia trigonos</i> subsp. <i>stellulata</i> (Benth.) Paul G. Wilson		
<i>Elatine gratioloides</i> A. Cunn.	waterwort	
<i>Eleocharis cylindrostachys</i> Boeck.		
<i>Eleocharis equisetina</i> C. Presl	spikerush	
<i>Eleocharis plana</i> S.T. Blake	ribbed spikerush	
<i>Eleocharis pusilla</i> R. Br.	small spikerush	

Species	Common name	Status
<i>Enchytraea tomentosa</i> R. Br.	ruby saltbush	
<i>Enneapogon gracilis</i> (R. Br.) P. Beauv.	slender nineawn	
<i>Enneapogon lindleyanus</i> (Domin) C.E. Hubb.	prickly couch	
<i>Enteropogon acicularis</i> (Lindl.) Lazarides	curly windmill grass	
<i>Enteropogon ramosus</i> B.K. Simon	windmill grass	
<i>Enteropogon unispiceus</i> (F. Muell.) Clayton		
<i>Epaltes australis</i> Less.	epalates	
<i>Epilobium hirtigerum</i> A. Cunn.		
<i>Eragrostis elongata</i> (Willd.) J. Jacq.	clustered love grass	
<i>Eragrostis lacunaria</i> F. Muell. ex Benth.	purple lovegrass	
<i>Eragrostis leptostachya</i> (R. Br.) Steud.	paddock love grass	
<i>Eragrostis longipedicellata</i> B.K. Simon		
<i>Eremocitrus glauca</i> (Lindl.) Swingle	limebush	
<i>Eremophila debilis</i> (Andrews) Chinnock	winter apple	
<i>Eremophila longifolia</i> (R., Br.) F. Muell.	berrigan	
<i>Eremophila mitchellii</i> Benth.	bastard sandalwood	
<i>Eriocaulon scariosum</i> Sm.	pipewort	
<i>Eriochloa decumbens</i> F.M. Bailey		
<i>Eriochloa pseudoacrotricha</i> (Stapf ex Thell.) J.M. Black	early spring grass	
<i>Erodium crinitum</i> Carolin	blue crowfoot	
<i>Erythrina vespertilio</i> Benth.	bats-wing coral tree	
<i>Erythroxylum</i> sp. (Splityard Creek L.Pedley 5360)		
<i>Eucalyptus camaldulensis</i> Dehnh.	river red gum	
<i>Eucalyptus cambageana</i> Maiden	Dawson gum	
<i>Eucalyptus coolabah</i> Blakely & Jacobs	coolabah	
<i>Eucalyptus crebra</i> F. Muell.	narrow-leaved ironbark	
<i>Eucalyptus exserta</i> F. Muell.	Queensland peppermint	
<i>Eucalyptus melanophloia</i> F.Muell.	silver leaved ironbark	
<i>Eucalyptus populnea</i> F. Muell.	poplar box	
<i>Eucalyptus tenuipes</i> (Maiden & Blakely) Blakley & C.T. White	narrow-leaved mahogany	
<i>Eucalyptus tereticornis</i> Sm.	forest red gum	
<i>Eucalyptus tessellaris</i> F. Muell.	Moreton Bay ash	
<i>Euchiton sphaericus</i> (Willd.) Anderb.	cudweed	
<i>Eulalia aurea</i> (Bory) Kunth	silky browntop	
<i>Euphorbia tannensis</i> var. <i>eremophila</i> (A.Cunn.) D.C. Hassall	desert spurge	
<i>Evolvulus alsinoides</i> (L.) L.	tropical speedwell	
<i>Excoecaria dallachiana</i> (Baill.) Benth.	scrub poison	
<i>Exocarpos latifolius</i> R. Br.	native cherry	
<i>Falllopia convolvulus</i> (L.) A. Love		♦
<i>Ficus opposita</i> Miq.	sandpaper fig	
<i>Fimbristylis dichotoma</i> (L.) Vahl	common fringe-rush	
<i>Flindersia australis</i> R. Br.	crow's ash	
<i>Flindersia collina</i> F.M. Bailey	broad-leaved leopard tree	
<i>Gahnia aspera</i> (R.Br.) Spreng.		
<i>Gaura parviflora</i> Douglas	clockweed	
<i>Geijera parviflora</i> Lindl.	wilga	
<i>Glinus lotoides</i> L.	hairy carpet weed	
<i>Glossocardia bidens</i> (Retz.) Veldkamp	native cobbler's pegs	
<i>Glycine tabacina</i> (Labill.) Benth.	glycine pea	
<i>Glycine tomentella</i> Hayata	woolly glycine	
<i>Gnaphalium polycaulon</i> Pers.		
<i>Gomphocarpus physocarpus</i> E. Mey.	balloon cotton bush	♦
<i>Gomphrena celosioides</i> Mart.	soft khakiweed	♦
<i>Goodenia fascicularis</i> F. Muell. & Tate	fan flower	
<i>Goodenia glabra</i> R. Br.		
<i>Goodenia grandiflora</i> Sims		
<i>Gratiola pedunculata</i> R. Br.		
<i>Grevillea robusta</i> A. Cunn. ex R. Br.	silky oak	

Species	Common name	Status
<i>Grevillea striata</i> R. Br.	beefwood	
<i>Grewia latifolia</i> F. Muell. ex Benth.	dog's nuts	
<i>Hakea fraseri</i> R.Br.	corkwood oak	
<i>Halgnania brachyrhyncha</i> Peter G. Wilson		
<i>Haloragis aspera</i> Lindl.	raspweed	
<i>Helichrysum collinum</i> DC.		♦
<i>Heliotropium amplexicaule</i> Vahl	blue heliotrope	♦
<i>Heliotropium indicum</i> L.		♦
<i>Heteropogon contortus</i> (L.) Beauv. ex. Roem. & Schult.	black speargrass	
<i>Hibbertia</i> sp.		
<i>Hibiscus sturtii</i> Hook.		
<i>Hibiscus trionum</i> L.	bladder ketmia	
<i>Hovea lanceolata</i> Sims		
<i>Hovea longipes</i> Benth.	brush hovea	
<i>Hybanthus monopetalus</i> (Schult.) Domin	lady's slipper	
<i>Hypochaeris glabra</i> L.	smooth catsear	♦
<i>Imperata cylindrica</i> (L.) Raeusch.	blady grass	
<i>Indigofera linnaei</i> Ali	nine-leaved indigo	
<i>Indigofera</i> sp.		
<i>Isachne globosa</i> (Thunb.) Kuntze	swamp millet	
<i>Isotoma axillaris</i> Lindl.	Australian harebell	
<i>Ixiolaena leptolepis</i> (DC.) Benth.	stalked ixiolaena	
<i>Jacksonia scoparia</i> R.Br.	dogwood	
<i>Jacquemontia paniculata</i> (Burm.f.) Hallier f.		
<i>Jasminum didymum</i> subsp. <i>lineare</i> (R. Br.) P.S.Green	native jasmine	
<i>Jasminum simplicifolium</i> subsp. <i>australiense</i> P.S. Green	stiff jasmine	
<i>Juncus prismatocarpus</i> R. Br.	branching rush	
<i>Juncus</i> sp.		
<i>Juncus usitatus</i> L.A.S. Johnson	rush	
<i>Keraudrenia corollata</i> (Steetz) Druce		
<i>Laxmannia compacta</i> Conran & P.I. Forst.		
<i>Leersia hexandra</i> Sw.	swamp rice grass	
<i>Lemna trisulca</i> L.		
<i>Lepidium africanum</i> (N. Burm.) DC.	common peppergrass	♦
<i>Lepidium bonariense</i> L.	Argentine peppergrass	♦
<i>Leptochloa ciliolata</i> (Jedwabn.) S.T. Blake		
<i>Leptochloa digitata</i> (R. Br.) Domin	umbrella canegrass	
<i>Leptochloa peacockii</i> (Maiden & Betche) Domin		
<i>Leptospermum neglectum</i> Joy Thoms.		
<i>Livistona</i> sp. (Taroomb R.W.Johnson 2764)		
<i>Lomandra confertifolia</i> subsp. <i>pallida</i> A.T. Lee		
<i>Lomandra filiformis</i> (Thunb.) Britten subsp. <i>filiformis</i>		
<i>Lomandra leucocephala</i> (R.Br.) Ewart	woolly matrush	
<i>Lomandra longifolia</i> Labill.	spinyhead matrush	
<i>Lomandra multiflora</i> (R. Br.) Britten subsp. <i>multiflora</i>		
<i>Lophostemon suaveolens</i> (Sol. ex Gaertn.) Peter G. Wilson & J.T. Waterh.	swamp box	
<i>Lotus australis</i> Andrews		
<i>Ludwigia octovalvis</i> (Jacq.) Raven	Australian trefoil	
<i>Ludwigia peploides</i> subsp. <i>montevidensis</i> (Spreng.) P.H. Raven	willow primrose	
<i>Lysicarpus angustifolius</i> (Hook.) Druce		♦
<i>Lysiphylgium carrii</i> (F. Muell.) Pedley	budgeroo	
<i>Macfadyena unguis-cati</i> (L.) A.H. Gentry	ebony tree	
<i>Macroptilium lathyroides</i> (L.) Urb.	cat's claw	♦
<i>Maireana microphylla</i> (Moq.) Paul G. Wilson	phasey bean	♦
<i>Malva parviflora</i> L.	saltbush	
<i>Malvastrum americanum</i> (L.) Torr.	marshmallow	♦
<i>Malvastrum coromandelianum</i> (L.) Garccke	spiked malvastrum	♦
	prickly malvastrum	♦

Species	Common name	Status
<i>Marsdenia microlepis</i> Benth.		
<i>Marsilea hirsuta</i> R. Br.	hairy nardoo	
<i>Maytenus cunninghamii</i> (Hook.) Loes.		♦
<i>Medicago polymorpha</i> L.		
<i>Melaleuca linariifolia</i> var. <i>trichostachya</i> (Lindl.) Benth.	flaxleaf paperbark	
<i>Melania oblongifolia</i> F. Muell.		
<i>Melichrus urceolatus</i> R. Br.	honey gorse	
<i>Melicope erythrococca</i> (F. Muell.) Benth.	tingletongue	
<i>Melilotus indicus</i> (L.) All.	hexham scent	♦
<i>Melinis repens</i> (Willd.) Zizka	red Natal grass	♦
<i>Mimulus gracilis</i> R. Br.		
<i>Minuria integrifolia</i> (DC.) Benth.	smooth minuria	
<i>Muehlenbeckia florulenta</i> Meisner	lignum	
<i>Murdannia graminea</i> (R. Br.) Bruchn.	grass lily	
<i>Neptunia gracilis</i> Benth.	sensitive plant	
<i>Nicotiana megalosiphon</i> Huerck & Muell. Arg. subsp. <i>megalosiphon</i>		
<i>Notelaea microcarpa</i> R. Br.	small fruited mock olive	
<i>Nyssanthes diffusa</i> R. Br.	barbed-wire weed	
<i>Oenothera indecora</i> subsp. <i>bonariensis</i> W. Dietr.	small flower evening primrose	♦
<i>Oldenlandia mitrasacmoides</i> subsp. <i>trachymenoides</i> (F. Muell.) Halford		
<i>Olearia canescens</i> (Benth.) Hutch.	creeping shade grass	
<i>Oplismenus aemulus</i> (R. Br.) Roem. & Schult.	tiger pear	♦
<i>Opuntia aurantiaca</i> Lindl.	prickly pear	♦
<i>Opuntia stricta</i> (Haw.) Haw. var. <i>stricta</i>	velvety tree pear	♦
<i>Opuntia tomentosa</i> Salm-Dyck	swamp lily	♦
<i>Ottelia ovalifolia</i> (R. Br.) Rich.	emu apple	
<i>Owenia venosa</i> F. Muell.		
<i>Oxalis perennans</i> Haw.	sago flower	
<i>Ozothamnus diosmifolius</i> (Vent.) DC.	wonga vine	
<i>Pandorea pandorana</i> (Andrews) Steenis	hairy panic	
<i>Panicum effusum</i> R. Br. var. <i>effusum</i>	pepper grass	
<i>Panicum laevinode</i> Lindl.	green panic	
<i>Panicum maximum</i> var. <i>trichoglume</i> Eyles ex Robyns	gargaloo	
<i>Parsonsia eucalyptophylla</i> F. Muell.	northern silkpod	
<i>Parsonsia lanceolata</i> R. Br.	brigalow grass	
<i>Paspalidium caespitosum</i> C.E. Hubb.	knottybutt grass	
<i>Paspalidium constrictum</i> (Domin) C.E. Hubb.		
<i>Paspalidium criniforme</i> S.T. Blake	shotgrass	
<i>Paspalidium disjunctum</i> S.T. Blake	slender panic	
<i>Paspalidium distans</i> (Trin.) Hughes	warrego grass	
<i>Paspalidium gracile</i> (R. Br.) Hughes	paspalum	
<i>Paspalidium jubiflorum</i> (Trin.) Hughes		
<i>Paspalum dilatatum</i> Poir.	comet grass	♦
<i>Peripleura hispidula</i> var. <i>setosa</i> (N.T. Burb.) G.L. Nesom		
<i>Perotis rara</i> R. Br.		
<i>Persicaria attenuata</i> (R. Br.) Sojak subsp. <i>attenuata</i>	water pepper	
<i>Persicaria decipiens</i> (R. Br.) K.L. Wilson		
<i>Persicaria hydropiper</i> (L.) Spach		
<i>Persicaria lapathifolia</i> (L.) S.F. Gray	quinine tree	
<i>Persicaria orientalis</i> (L.) Spach	common reed	
<i>Petalostigma pubescens</i> Domin	condamine couch	
<i>Phragmites australis</i> (Cav.) Trin. ex Steud.		
<i>Phyla canescens</i> (Kunth) Greene		
<i>Phyllanthus gasstroemii</i> Muell. Arg.		
<i>Phyllanthus maderaspatensis</i> L. var. <i>maderaspatensis</i>		
<i>Phyllanthus</i> sp.		
<i>Phyllanthus virgatus</i> G. Forst.		

Species	Common name	Status
<i>Physalis lanceifolia</i> Nees		♦
<i>Pimelea latifolia</i> R. Br.		
<i>Pimelea trichostachya</i> Lindl.	spiked riceflower	
<i>Pittosporum rhombifolium</i> A. Cunn. ex Hook.		
<i>Planchonella cotinifolia</i> var. <i>pubescens</i> P. Royen		
<i>Plantago cunninghamii</i> Decne.		
<i>Plantago turrifera</i> B.G. Briggs, Carolin & Pulley		
<i>Plectranthus parviflorus</i> Willd.		
<i>Poa fordeana</i> F. Muell.	sweet swampgrass	
<i>Podolepis longipedata</i> Cunn. ex DC.		
<i>Polycarpha corymbosa</i> (L.) Lam. var. <i>corymbosa</i>		
<i>Polygonum plebeium</i> R. Br.	small knotweed	
<i>Polymeria calycina</i> R. Br.	pink bindweed	
<i>Polymeria pusilla</i> R. Br.		
<i>Portulaca bicolor</i> F. Muell.		
<i>Portulaca oleracea</i> L.	pigweed	
<i>Portulaca pilosa</i> L. subsp. <i>pilosa</i>		
<i>Potamogeton crispus</i> L.	curly pondweed	
<i>Potamogeton tricarinatus</i> F. Muell. & A. Benn. ex A. Benn.	floating pondweed	
<i>Prostanthera euphrasioides</i> Benth.		
<i>Pseuderanthemum variabile</i> (R. Br.) Radlk.	loveflower	
<i>Psoralea tenax</i> Lindl.	emu-foot	
<i>Pterocaulon redolens</i> (Willd.) Fern.-Vill.		
<i>Ptilotus exaltatus</i> var. <i>semilanatus</i> (Lindl.) Maiden & Betche	Prince-of-Wales feather	
<i>Ptilotus macrocephalus</i> (R. Br.) Poir.	green pussytails	
<i>Ranunculus lappaceus</i> Sm.	common buttercup	
<i>Rhodanthe polyphylla</i> (F. Muell.) Paul G. Wilson		
<i>Rhynchosia minima</i> var. <i>australis</i> (Benth.) C. Moore	rhynchosia	
<i>Richardia brasiliensis</i> Gomes	Mexican clover	♦
<i>Rorippa eustylis</i> (F. Muell.) L.A.S. Johnson		
<i>Rostellularia adscendens</i> (R.Br.) R.M. Barker var. <i>adscendens</i>		
<i>Rubus parvifolius</i> L.	native raspberry	
<i>Rumex brownii</i> Campd.	swamp dock	
<i>Rumex tenax</i> Rech.f.		
<i>Rutidosis crispata</i> A.E. Holland		R
<i>Sacciolepis indica</i> (L.) Chase	Indian cupscale grass	
<i>Salix babylonica</i> L.	weeping willow	
<i>Salsola kali</i> L.	soft roly-poly	♦
<i>Salvia plebeia</i> R. Br.	common sage	
<i>Salvia reflexa</i> Hornem.	mintweed	
<i>Santalum lanceolatum</i> R. Br.	sandelwood	
<i>Sarcostemma viminale</i> subsp. <i>brunonianum</i> (Wight & Arn.) P.I Forst.	caustic-vine	
<i>Schoenoplectus mucronatus</i> (L.) Pall. ex J. Kern.		
<i>Schoenoplectus validus</i> (Vahl) A. Love & D. Love	umbrella sedge	
<i>Schoenus kennyi</i> (F.M. Bailey) S.T. Blake		
<i>Scleria mackaviensis</i> Boeck.		
<i>Scleria sphacelata</i> F.Muell.		
<i>Sclerolaena birchii</i> (F. Muell.) Domin	galvanised burr	
<i>Sclerolaena muricata</i> (Moq.) Domin var. <i>muricata</i>	prickly roly-poly	
<i>Sclerolaena muricata</i> var. <i>villosa</i> (Benth.) Ulbr.	prickly roly-poly	
<i>Sclerolaena tetracuspis</i> (C.T. White) A.J. Scott	brigalow-burr	
<i>Secamone elliptica</i> R. Br.	milkvine	
<i>Senecio lautus</i> subsp. <i>dissectifolius</i> Ali	fireweed	
<i>Senecio quadridentatus</i> Labill.	cotton fireweed	
<i>Senna artemisioides</i> subsp. <i>zygophylla</i> (Benth.) Randell	silver cassia	
<i>Senna barclayana</i> (Sweet) Randell		
<i>Senna sophera</i> (L.) Roxb. var. <i>sophera</i>	pepper leaf senna	
<i>Senna sophera</i> var. (40Mile Scrub J.R.Clarkson+ 6908)		

Species	Common name	Status
<i>Sesbania cannabina</i> (Retz.) Poir. var <i>cannabina</i>		
<i>Setaria dielsii</i> Herrm.		
<i>Setaria surgens</i> Stapf		
<i>Sida corrugata</i> Lindl.	corrugated sida	
<i>Sida filiformis</i> A. Cunn.		
<i>Sida pleiantha</i> F. Muell. ex Benth.		
<i>Sida rhombifolia</i> L.	sida retusa	
<i>Sida rohlenae</i> Domin		
<i>Sida spinosa</i> L.	spiny sida	
<i>Sida subspicata</i> F. Muell. ex Benth.	spiked sida	
<i>Sida trichopoda</i> F. Muell.	high sida	
<i>Silybum marianum</i> (L.) Gaertn.	variegated thistle	♦
<i>Sisymbrium thellungii</i> O.E. Schulz	African turnip-weed	♦
<i>Solanum americanum</i> Mill.	glossy nightshade	
<i>Solanum ellipticum</i> R.Br.	potato bush	
<i>Solanum esuriale</i> Lindl.	potato weed	
<i>Solanum parvifolium</i> R. Br.		
<i>Solanum semiarmatum</i> F. Muell.	prickly nightshade	
<i>Soliva anthemifolia</i> (Juss.) R. Br. ex Less.	dwarf jo jo weed	♦
<i>Sonchus oleraceus</i> L.	common sowthistle	♦
<i>Sorghum leiocladum</i> (Hack.) C.E. Hubb.	wild sorghum	
<i>Spartothamnella juncea</i> (A. Cunn. ex Walp.) Briq.	native broom	
<i>Spartothamnella puberula</i> (F. Muell.) Maiden & Betche		
<i>Spermacoce multicaulis</i> Benth.		
<i>Sporobolus caroli</i> Mez.	yakka grass	♦
<i>Sporobolus coromandelianus</i> (Retz.) Kunth		
<i>Sporobolus elongatus</i> R. Br.	slender rat's-tail grass	
<i>Sporobolus mitchellii</i> (Trin.) C.E. Hubb. ex S.T. Blake	rat's tail couch	
<i>Stackhousia muricata</i> Lindl.		
<i>Stellaria angustifolia</i> Hook.	swamp starwort	
<i>Swainsona galegifolia</i> (Andrews) R.Br.	smooth Darling pea	
<i>Swainsona oroboides</i> F. Muell. ex Benth.	variable swainsona	
<i>Tetragonia tetragonoides</i> (Pallas) Kuntze	New Zealand spinach	
<i>Thellungia advena</i> Stapf ex Probst	coolibah grass	
<i>Themeda avenacea</i> (F. Muell.) Maiden & Betche	native oatgrass	
<i>Themeda triandra</i> Forssk.	kangaroo grass	
<i>Thyridolepis xerophila</i> (Domin) S.T. Blake		
<i>Tragus australianus</i> S.T. Blake	small burr grass	
<i>Trianthema triquetra</i> Rottb. ex Willd.	red spinach	
<i>Tribulus micrococcus</i> Domin		
<i>Tricoryne elatior</i> R. Br.	rush lily	
<i>Triodia mitchellii</i> Benth. var. <i>mitchellii</i>	buck spinifex	
<i>Triodia pungens</i> R. Br. var. <i>pungens</i>		
<i>Turraea pubescens</i> Hellen.	native honeysuckle	
<i>Urochloa mosambicensis</i> (Hack.) Dandy	sabi grass	♦
<i>Utricularia dichotoma</i> Labill.		
<i>Utricularia gibba</i> L.		
<i>Verbena aristigera</i> S.Moore	Mayne's pest	♦
<i>Verbena litoralis</i> Kunth	verbena	♦
<i>Verbena officinalis</i> L.	common verbena	
<i>Verbesina encelioides</i> (Cav.) Benth. & Hook.f. ex A. Gray	wild sunflower	♦
<i>Vernonia cinerea</i> (L.) Less. var. <i>cinerea</i>	vernonia	
<i>Vetiveria filipes</i> (Benth.) C.E. Hubb.	Australian vetiveria	
<i>Vittadinia cuneata</i> var. <i>hirsuta</i> N.T. Burb.		
<i>Vittadinia dissecta</i> var. <i>hirta</i> N.T. Burb.		
<i>Vittadinia pterochaeta</i> (F. Muell. ex Benth.) J.M. Black		
<i>Vittadinia pustulata</i> N.T. Burb.		
<i>Wahlenbergia communis</i> Carolin	an Australian bluebell	

Species	Common name	Status
<i>Wahlenbergia gracilis</i> (G. Forst.) A. DC.	an Australian bluebell	
<i>Wahlenbergia tumidifructa</i> P.J. Sm.	an Australian bluebell	
<i>Xanthium spinosum</i> L.	Bathurst burr	♦
<i>Zaleya galericulata</i> (Melville) H.Eichler subsp. <i>galericulata</i>	hogweed	
<i>Zinnia peruviana</i> (L.) L.	wild zinnia	♦
<i>Zornia muriculata</i> subsp. <i>angustata</i> S.T. Reynolds & A.E. Holland	zornia	
<i>Zygophyllum apiculatum</i> F. Muell.	gall weed	

Table 2 - Species listing sorted by Family

Note: ♦ in Status represents introduced species or weed
R = Rare as defined in Queensland Conservation Act 1992

Family	Species	Common name	Status
Algae			
Characeae	Chara sp.	stonewort	
Pteridophytes			
Adiantaceae	Cheilanthes distans (R. Br.) Mett.	bristly cloak fern	
Adiantaceae	Cheilanthes sieberi Kunze subsp. sieberi	mulga fern	
Azollaceae	Azolla pinnata R.Br.	fern azolla	
Marsileaceae	Marsilea hirsuta R. Br.	hairy nardoo	
Thelypteridaceae	Ampelopteris prolifera (Retz.) Copel.		
Thelypteridaceae	Cyclosorus interruptus (Willd.) H.Ito		
Gymnosperms			
Cupressaceae	Callitris glauophylla Thompson & L.A.S.Johnson	white cypress pine	
Angiosperms			
Acanthaceae	Brunoniella australis (Cav.) Bremek.	blue trumpet	
Acanthaceae	Pseuderanthemum variabile (R. Br.) Radlk.	loveflower	
Acanthaceae	Rostellularia adscendens (R.Br.) R.M. Barker var. adscendens		
Aizoaceae	Tetragonia tetragonoides (Pallas) Kuntze	New Zealand spinach	
Aizoaceae	Trianthema triquetra Rottb. ex Willd.	red spinach	
Aizoaceae	Zaleya galericulata (Melville) H.Eichler subsp. galericulata	hogweed	
Amaranthaceae	Achyranthes aspera L.	chaff flower	♦
Amaranthaceae	Alternanthera denticulata R. Br.	lesser joyweed	
Amaranthaceae	Alternanthera nodiflora R.Br.	joyweed	
Amaranthaceae	Amaranthus graecizans subsp. sylvestris (Vill.) Asch.		♦
Amaranthaceae	Amaranthus viridis L.	green amaranth	♦
Amaranthaceae	Gomphrena celosioides Mart.	soft khakiweed	♦
Amaranthaceae	Ptilotus exaltatus var. semilanatus (Lindl.) Maiden & Betche	Prince-of-Wales feather	
Amaranthaceae	Ptilotus macrocephalus (R. Br.) Poir.	green pussytails	
Amaranthaceae	Nyssanthes diffusa R. Br.	barbed-wire weed	
Apiaceae	Centella asiatica (L.) Urb.	pennywort	
Apiaceae	Ciclospermum leptophyllum (Pers.) Sprague	slender celery	
Apiaceae	Daucus glochidiatus (Labill.) Fischer, C.A.Meyer & Ave-Lall.	Australian carrot	♦
Apocynaceae	Alstonia constricta F.Muell.	bitterbark	
Apocynaceae	Carissa ovata R.Br.	current bush	
Apocynaceae	Parsonsia eucalyptophylla F.Muell.	gargaloo	
Apocynaceae	Parsonsia lanceolata R. Br.	northern silkpod	
Arecaceae	Livistona sp. (Taroom R.W.Johnson 2764)		
Asclepidaceae	Gomphocarpus physocarpus E. Mey.	balloon cotton bush	♦
Asclepidaceae	Marsdenia microlepis Benth.		
Asclepidaceae	Sarcostemma viminale subsp. brunonianum (Wight & Arn.) P.I Forst.	caustic-vine	
Asclepidaceae	Secamone elliptica R. Br.	milkvine	
Asteraceae	Aster subulatus Michx.	wild aster	♦
Asteraceae	Baccharis halimifolia L.	groundsel bush	♦
Asteraceae	Bidens bipinnata L.	bipinnate beggar's ticks	♦
Asteraceae	Brachyscome trachycarpa F. Muell.		

Family	Species	Common name	Status
Asteraceae	<i>Bracteantha bracteata</i> (Vent.) Anderb. & Haegi	golden everlasting	
Asteraceae	<i>Calotis cuneata</i> (F. Muell. ex Benth.) G.L. Davis	blue burr daisy	
Asteraceae	<i>Calotis cuneifolia</i> R.Br.		
Asteraceae	<i>Calotis dentex</i> R. Br.	white burr daisy	
Asteraceae	<i>Calotis hispidula</i> (F. Muell.) F. Muell.	bogan flea	
Asteraceae	<i>Calotis lappulacea</i> Benth.	yellow burr daisy	
Asteraceae	<i>Cassinia laevis</i> R. Br.	coughbush	
Asteraceae	<i>Centaurea melitensis</i> L.	Maltese cockspur	♦
Asteraceae	<i>Centipeda minima</i> (L.) A. Braun & Aschers	spreading sneezeweed	
Asteraceae	<i>Chrysoccephalum apiculatum</i> (Labill.) Steetz	yellow buttons	
Asteraceae	<i>Cirsium vulgare</i> (Sav.) Ten.	spear thistle	♦
Asteraceae	<i>Conyza bonariensis</i> (L.) Cronq.	flaxleaf fleabane	♦
Asteraceae	<i>Eclipta prostrata</i> (L.) L.	white eclipta	
Asteraceae	<i>Epaltes australis</i> Less.	epalates	
Asteraceae	<i>Euchiton sphaericus</i> (Willd.) Anderb.	cudweed	
Asteraceae	<i>Glossocardia bidens</i> (Retz.) Veldkamp	native cobbler's pegs	
Asteraceae	<i>Gnaphalium polycaulon</i> Pers.		
Asteraceae	<i>Helichrysum collinum</i> DC.		
Asteraceae	<i>Hypochoeris glabra</i> L.	smooth catsear	♦
Asteraceae	<i>Ixiolaena leptolepis</i> (DC.) Benth.	stalked ixiolaena	
Asteraceae	<i>Minuria integriflora</i> (DC.) Benth.	smooth minuria	
Asteraceae	<i>Olearia canescens</i> (Benth.) Hutch.		
Asteraceae	<i>Ozothamnus diosmifolius</i> (Vent.) DC.	sago flower	
Asteraceae	<i>Peripleura hispidula</i> var. <i>setosa</i> (N.T. Burb.) G.L. Nesom		
Asteraceae	<i>Podolepis longipedata</i> Cunn. ex DC.		
Asteraceae	<i>Pterocaulon redolens</i> (Willd.) Fern.-Vill.		
Asteraceae	<i>Rhodanthe polyphylla</i> (F. Muell.) Paul G. Wilson		
Asteraceae	<i>Rutidosis crispata</i> A.E. Holland		R
Asteraceae	<i>Senecio laetus</i> subsp. <i>dissectifolius</i> Ali	fireweed	
Asteraceae	<i>Senecio quadridentatus</i> Labill.	cotton fireweed	
Asteraceae	<i>Silybum marianum</i> (L.) Gaertn.	variegated thistle	♦
Asteraceae	<i>Soliva anthemifolia</i> (Juss.) R. Br. ex Less.	dwarf jo jo weed	♦
Asteraceae	<i>Sonchus oleraceus</i> L.	common sowthistle	♦
Asteraceae	<i>Verbesina encelioides</i> (Cav.) Benth. & Hook.f. ex A. Gray	wild sunflower	♦
Asteraceae	<i>Vernonia cinerea</i> (L.) Less. var. <i>cinerea</i>	vernonia	
Asteraceae	<i>Vittadinia cuneata</i> var. <i>hirsuta</i> N.T. Burb.		
Asteraceae	<i>Vittadinia dissecta</i> var. <i>hirta</i> N.T. Burb.		
Asteraceae	<i>Vittadinia pterocheata</i> (F. Muell. ex Benth.) J.M. Black		
Asteraceae	<i>Vittadinia pustulata</i> N.T. Burb.	Bathurst burr	♦
Asteraceae	<i>Xanthium spinosum</i> L.	wild zinnia	♦
Asteraceae	<i>Zinnia peruviana</i> (L.) L.	cat's claw	♦
Bignoniaceae	<i>Macfadyena unguis-cati</i> (L.) A.H. Gentry	wonga vine	♦
Bignoniaceae	<i>Pandorea pandorana</i> (Andrews) Steenis	Australian forget me not	
Boraginaceae	<i>Cynoglossum australe</i> R. Br. var. <i>australe</i>	weeping koda	
Boraginaceae	<i>Ehretia membranifolia</i> R. Br.		
Boraginaceae	<i>Halgania brachyrhyncha</i> Peter G. Wilson	blue heliotrope	♦
Boraginaceae	<i>Heliotropium amplexicaule</i> Vahl		
Boraginaceae	<i>Heliotropium indicum</i> L.	lesser swine-cress	♦
Brassicaceae	<i>Coronopus didymus</i> (L.) Smith	common peppercress	♦
Brassicaceae	<i>Lepidium africanum</i> (N. Burm.) DC.	Argentine peppercress	♦
Brassicaceae	<i>Lepidium bonariense</i> L.		
Brassicaceae	<i>Rorippa eustylis</i> (F. Muell.) L.A.S. Johnson	African turnip-weed	♦
Brassicaceae	<i>Sisymbrium thellungi</i> O.E. Schulz		
Cactaceae	<i>Opuntia aurantiaca</i> Lindl.	tiger pear	♦
Cactaceae	<i>Opuntia stricta</i> (Haw.) Haw. var. <i>stricta</i>	prickly pear	♦

Family	Species	Common name	Status
Cactaceae	<i>Opuntia tomentosa</i> Salm-Dyck	velvety tree pear	♦
Caesalpiniaceae	<i>Cassia tomentella</i> Domin	velvet cassia	
Caesalpiniaceae	<i>Lysiphyllum carronii</i> (F. Muell.) Pedley	ebony tree	
Caesalpiniaceae	<i>Senna barclayana</i> (Sweet) Randell	pepper leaf senna	
Caesalpiniaceae	<i>Senna sophera</i> (L.) Roxb. var. <i>sophera</i>		
Caesalpiniaceae	<i>Senna sophera</i> var. (40Mile Scrub J.R.Clarkson+ 6908)		
Caesalpiniaceae	<i>Senna artemisioides</i> subsp. <i>zygophylla</i> (Benth.) Randell	silver cassia	
Callitrichaceae	<i>Callitriche sonderi</i> Hegelm.	starwort	
Campanulaceae	<i>Isotoma axillaris</i> Lindl.	Australian harebell	
Campanulaceae	<i>Wahlenbergia communis</i> Carolin	an Australian bluebell	
Campanulaceae	<i>Wahlenbergia gracilis</i> (G. Forst.) A. DC.	an Australian bluebell	
Capmanulaceae	<i>Wahlenbergia tumidiflucta</i> P.J. Sm.	an Australian bluebell	
Capparaceae	<i>Apophyllum anomalum</i> F. Muell.	broom bush	
Capparaceae	<i>Capparis canescens</i> Banks ex DC.	wild orange	
Capparaceae	<i>Capparis lasiantha</i> R. Br. ex DC.	nipan	
Capparaceae	<i>Capparis loranthifolia</i> var. <i>bancroftii</i> C.T. White ex M. Jacobs	narrow leaf bumble-tree	
Capparaceae	<i>Capparis mitchellii</i> Lindl.		
Caryophyllaceae	<i>Polycarpaea corymbosa</i> (L.) Lam. var. <i>corymbosa</i>	swamp starwort	
Caryophyllaceae	<i>Stellaria angustifolia</i> Hook.	bull oak	
Casuarinaceae	<i>Allocasuarina luehmannii</i> (R.T. Barker) L.A.S. Johnson		♦
Casuarinaceae	<i>Casuarina cristata</i> Miq.	belah	
Celastraceae	<i>Cassine australis</i> var. <i>angustifolia</i> (Benth.) Jessup	red oliveplum	
Celastraceae	<i>Denhamia oleaster</i> (Lindl.) F. Muell.		
Celastraceae	<i>Denhamia pittosporoides</i> F. Muell.	orange boxwood	
Celastraceae	<i>Maytenus cunninghamii</i> (Hook.) Loes.		
Chenopodiaceae	<i>Atriplex muelleri</i> Benth.	annual saltbush	
Chenopodiaceae	<i>Chenopodium ambrosioides</i> L.	Mexican tea	
Chenopodiaceae	<i>Chenopodium carinatum</i> R. Br.	green crumbweed	
Chenopodiaceae	<i>Chenopodium desertorum</i> subsp. <i>anidiophyllum</i> (Aellen) Paul G. Wilson		
Chenopodiaceae	<i>Chenopodium pumilio</i> R. Br.	small crumbweed	
Chenopodiaceae	<i>Dysphania glomulifera</i> (Nees) Paul G. Wilson subsp. <i>glomulifera</i>		
Chenopodiaceae	<i>Einadia hastata</i> (R. Br.) A.J. Scott	ruby saltbush	
Chenopodiaceae	<i>Einadia nutans</i> (R. Br.) A.J. Scott subsp. <i>nutans</i>	nodding saltbush	
Chenopodiaceae	<i>Einadia nutans</i> subsp. <i>linifolia</i> (R. Br.) Paul G. Wilson	climbing saltbush	
Chenopodiaceae	<i>Einadia trigonos</i> subsp. <i>stellulata</i> (Benth.) Paul G. Wilson		
Chenopodiaceae	<i>Enchytraea tomentosa</i> R. Br.	ruby saltbush	
Chenopodiaceae	<i>Maireana microphylla</i> (Moq.) Paul G. Wilson	saltbush	
Chenopodiaceae	<i>Salsola kali</i> L.	soft roly-poly	♦
Chenopodiaceae	<i>Sclerolaena birchii</i> (F. Muell.) Domin	galvanised burr	
Chenopodiaceae	<i>Sclerolaena muricata</i> (Moq.) Domin var. <i>muricata</i>	prickly roly-poly	
Chenopodiaceae	<i>Sclerolaena muricata</i> var. <i>villosa</i> (Benth.) Ulbr.	prickly roly-poly	
Chenopodiaceae	<i>Sclerolaena tetracuspis</i> (C.T. White) A.J. Scott	brigalow burr	
Commelinaceae	<i>Commelinia diffusa</i> Burm.f.	wandering jew	
Commelinaceae	<i>Murdannia graminea</i> (R. Br.) Bruchn.	grass lily	
Convolvulaceae	<i>Cuscuta campestris</i> Yunck.	dodder	♦
Convolvulaceae	<i>Dichondra repens</i> J.R. Forst. & G. Forst.	kidney weed	
Convolvulaceae	<i>Evolvulus alsinoides</i> (L.) L.	tropical speedwell	
Convolvulaceae	<i>Jacquemontia paniculata</i> (Burm.f.) Hallier f.		
Convolvulaceae	<i>Polymeria calycina</i> R. Br.	pink bindweed	
Convolvulaceae	<i>Polymeria pusilla</i> R. Br.		

Family	Species	Common name	Status
Crassulaceae	<i>Crassula sieberiana</i> (Schult. & Schult.f.) Druce	native crassula	
Cyperaceae	<i>Carex appressa</i> R. Br.	tall sedge	
Cyperaceae	<i>Carex polyantha</i> F. Muell.		
Cyperaceae	<i>Cyperus difformis</i> L.	rice sedge	
Cyperaceae	<i>Cyperus flaccidus</i> R. Br.		
Cyperaceae	<i>Cyperus gracilis</i> R. Br.	slender sedge	
Cyperaceae	<i>Cyperus iria</i> L.		
Cyperaceae	<i>Cyperus lucidus</i> R. Br.		
Cyperaceae	<i>Cyperus polystachyos</i> Rottb. var. <i>polystachyos</i>	bunchy sedge	
Cyperaceae	<i>Cyperus pygmaeus</i> Rottb.	dwarf sedge	
Cyperaceae	<i>Cyperus rigidellus</i> (Benth.) J.M. Black		
Cyperaceae	<i>Cyperus rotundus</i> L.	nutgrass	
Cyperaceae	<i>Cyperus sanguinolentus</i> Vahl		
Cyperaceae	<i>Cyperus sphaeroideus</i> L.A.S. Johnson & O.D. Evans	kyllinga weed	
Cyperaceae	<i>Eleocharis cylindrostachys</i> Boeck.		
Cyperaceae	<i>Eleocharis equisetina</i> C. Presl	spikerush	
Cyperaceae	<i>Eleocharis plana</i> S.T. Blake	ribbed spikerush	
Cyperaceae	<i>Eleocharis pusilla</i> R. Br.	small spikerush	
Cyperaceae	<i>Fimbristylis dichotoma</i> (L.) Vahl	common fringe-rush	
Cyperaceae	<i>Gahnia aspera</i> (R.Br.) Spreng.		
Cyperaceae	<i>Schoenoplectus mucronatus</i> (L.) Pall. ex J. Kern.		
Cyperaceae	<i>Schoenoplectus validus</i> (Vahl) A. Love & D. Love	umbrella sedge	
Cyperaceae	<i>Schoenus kennyi</i> (F.M. Bailey) S.T. Blake		
Cyperaceae	<i>Scleria mackaviensis</i> Boeck.		
Cyperaceae	<i>Scleria sphacelata</i> F.Muell.		
Dilleniaceae	<i>Hibbertia</i> sp.		
Ebenaceae	<i>Diospyros humilis</i> (R. Br.) F. Muell.	small-leaved ebony	
Elatinaceae	<i>Elatine gratioloides</i> A. Cunn.	waterwort	
Epacridaceae	<i>Melichrus urceolatus</i> R. Br.	honey gorse	
Eriocaulaceae	<i>Eriocaulon scariosum</i> Sm.	pipewort	
Erythroxylaceae	<i>Erythroxylum</i> sp. (Splityard Creek L.Pedley 5360)		
Euphorbiaceae	<i>Acalypha eremorum</i> Muell. Arg.	soft acalypha	
Euphorbiaceae	<i>Adriana glabrata</i> var. <i>subglabra</i> (Baill.) Airy Shaw		
Euphorbiaceae	<i>Bertya oleifolia</i> Planch.		
Euphorbiaceae	<i>Bertya pedicellata</i> F. Muell.		
Euphorbiaceae	<i>Breynia oblongifolia</i> (Muell. Arg.) Muell. Arg.	coffee bush	
Euphorbiaceae	<i>Chamaesyce dallachiana</i> (Baill.) D.C. Hassall	caustic-weed	
Euphorbiaceae	<i>Claoxylon tenerifolium</i> (Baill.) F. Muell.	Queensland brittlewood	
Euphorbiaceae	<i>Croton insularis</i> Baill.	native cascara bark	
Euphorbiaceae	<i>Croton phebaloides</i> F. Muell. ex Muell. Arg.	narrow-leaved croton	
Euphorbiaceae	<i>Euphorbia tannensis</i> var. <i>eremophila</i> (A.Cunn.) D.C. Hassall	desert spurge	
Euphorbiaceae	<i>Excoecaria dallachiana</i> (Baill.) Benth.	scrub poison	
Euphorbiaceae	<i>Petalostigma pubescens</i> Domin	quinine tree	
Euphorbiaceae	<i>Phyllanthus gasstroemii</i> Muell. Arg.		
Euphorbiaceae	<i>Phyllanthus maderaspatensis</i> L. var. <i>maderaspatensis</i>		
Euphorbiaceae	<i>Phyllanthus</i> sp.		
Euphorbiaceae	<i>Phyllanthus virgatus</i> G. Forst.		
Fabaceae	<i>Crotalaria incana</i> L. subsp. <i>incana</i>	woolly rattlepod	
Fabaceae	<i>Crotalaria montana</i> Roth		
Fabaceae	<i>Desmodium brachypodium</i> A. Gray		
Fabaceae	<i>Desmodium rhytidophyllum</i> F. Muell. ex Benth.		
Fabaceae	<i>Desmodium varians</i> (Labill.) G. Don	slender tick trefoil	
Fabaceae	<i>Erythrina vespertilio</i> Benth.	bats-wing coral tree	
Fabaceae	<i>Glycine tabacina</i> (Labill.) Benth.	glycine pea	
Fabaceae	<i>Glycine tomentella</i> Hayata	woolly glycine	

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Family	Species	Common name	Status
Fabaceae	<i>Hovea lanceolata</i> Sims	brush hovea	
Fabaceae	<i>Hovea longipes</i> Benth.	nine-leaved indigo	
Fabaceae	<i>Indigofera linnaei</i> Ali		
Fabaceae	<i>Indigofera</i> sp.		
Fabaceae	<i>Jacksonia scoparia</i> R.Br.	dogwood	
Fabaceae	<i>Lotus australis</i> Andrews	Australian trefoil	
Fabaceae	<i>Macroptilium lathyroides</i> (L.) Urb.	phasey bean	
Fabaceae	<i>Medicago polymorpha</i> L.		♦
Fabaceae	<i>Melilotus indicus</i> (L.) All.	hexham scent	♦
Fabaceae	<i>Psoralea tenax</i> Lindl.	emu-foot	♦
Fabaceae	<i>Rhynchosia minima</i> var. <i>australis</i> (Benth.) C. Moore	rhynchosia	
Fabaceae	<i>Sesbania cannabina</i> (Retz.) Poir. var <i>cannabina</i>		
Fabaceae	<i>Swainsona galegifolia</i> (Andrews) R.Br.	smooth Darling pea	
Fabaceae	<i>Swainsona oroboides</i> F. Muell. ex Benth.	variable swainsona	
Fabaceae	<i>Zornia muriculata</i> subsp. <i>angustata</i> S.T. Reynolds & A.E. Holland	zornia	
Gentianaceae	<i>Centaurium erythraea</i> Rafn.	common centaury	
Geraniaceae	<i>Erodium crinitum</i> Carolin	blue crowfoot	♦
Goodeniaceae	<i>Goodenia fascicularis</i> F. Muell. & Tate	fan flower	
Goodeniaceae	<i>Goodenia glabra</i> R. Br.		
Goodeniaceae	<i>Goodenia grandiflora</i> Sims		
Haloragaceae	<i>Haloragis aspera</i> Lindl.	raspweed	
Hydrocharitaceae	<i>Ottelia ovalifolia</i> (R. Br.) Rich.	swamp lily	
Juncaceae	<i>Juncus prismatocarpus</i> R. Br.	branching rush	
Juncaceae	<i>Juncus</i> sp.		
Juncaceae	<i>Juncus usitatus</i> L.A.S. Johnson	rush	
Lamiaceae	<i>Ajuga australis</i> R. Br.	Australian bugle	
Lamiaceae	<i>Basilicum polystachyon</i> (L.) Moench		
Lamiaceae	<i>Plectranthus parviflorus</i> Willd.		
Lamiaceae	<i>Prostanthera euphrasioides</i> Benth.		
Lamiaceae	<i>Salvia plebeia</i> R. Br.	common sage	
Lamiaceae	<i>Salvia reflexa</i> Hornem.	mintweed	♦
Lemnaceae	<i>Lemna trisulca</i> L.		
Lentibulariaceae	<i>Utricularia dichotoma</i> Labill.		
Lentibulariaceae	<i>Utricularia gibba</i> L.		
Liliaceae	<i>Dianella brevipedunculata</i> R.F.J. Hend.		
Liliaceae	<i>Dianella caerulea</i> var. <i>vannata</i> R.J.F. Hend.		
Liliaceae	<i>Dianella longifolia</i> R. Br. var. <i>longifolia</i>		
Liliaceae	<i>Laxmannia compacta</i> Conran & P.I. Forst.		
Liliaceae	<i>Tricoryne elatior</i> R. Br.	rush lily	
Loranthaceae	<i>Amyema</i> congener (Sieber ex Schult. & Schult.f.) Tiegh. subsp. congener	erect mistletoe	
Loranthaceae	<i>Amyema quandang</i> var. <i>bancroftii</i> (F.M.Bailey) Barlow		
Malvaceae	<i>Abutilon fraseri</i> (Hook.) Hook. ex Walp.	dwarf lantern flower	
Malvaceae	<i>Abutilon oxycarpum</i> (F.Muell.) F. Muell. ex Benth. forma <i>oxycarpum</i>		
Malvaceae	<i>Abutilon oxycarpum</i> forma <i>acutatum</i> Benth.	flannel weed	
Malvaceae	<i>Hibiscus sturtii</i> Hook.		
Malvaceae	<i>Hibiscus trionum</i> L.	bladder ketmia	
Malvaceae	<i>Malva parviflora</i> L.	marshmallow	
Malvaceae	<i>Malvastrum americanum</i> (L.) Torr.	spiked malvastrum	♦
Malvaceae	<i>Malvastrum coromandelianum</i> (L.) Garccke	prickly malvastrum	♦
Malvaceae	<i>Sida corrugata</i> Lindl.	corrugated sida	♦
Malvaceae	<i>Sida filiformis</i> A. Cunn.		
Malvaceae	<i>Sida pleiantha</i> F. Muell. ex Benth.		
Malvaceae	<i>Sida rhombifolia</i> L.	sida retusa	
Malvaceae	<i>Sida rohlenae</i> Domin		

Family	Species	Common name	Status
Malvaceae	<i>Sida spinosa</i> L.	spiny sida	
Malvaceae	<i>Sida subspicata</i> F. Muell. ex Benth.	spiked sida	
Malvaceae	<i>Sida trichopoda</i> F. Muell.	high sida	
Meliaceae	<i>Owenia venosa</i> F. Muell.	emu apple	
Meliaceae	<i>Turraea pubescens</i> Hellen.	native honeysuckle	
Mimosaceae	<i>Acacia amblygona</i> Benth.	prickly wattle	
Mimosaceae	<i>Acacia caroleae</i> Pedley		
Mimosaceae	<i>Acacia conferta</i> Benth.	crowded-leaf wattle	
Mimosaceae	<i>Acacia deanei</i> (R.T. Baker) M.B. Welch, Coombs & McGlynn subsp. <i>deanei</i>	green wattle	
Mimosaceae	<i>Acacia decora</i> Rchb.		
Mimosaceae	<i>Acacia excelsa</i> Benth.	pretty wattle	
Mimosaceae	<i>Acacia farnesiana</i> (L.) Willd.	ironwood	
Mimosaceae	<i>Acacia fasciculifera</i> F. Muell. ex Benth.	mimosa bush	
Mimosaceae	<i>Acacia harpophylla</i> F. Muell. ex Benth.	scrub ironbark	
Mimosaceae	<i>Acacia juncifolia</i> Benth. subsp. <i>juncifolia</i>	brigalow	
Mimosaceae	<i>Acacia leiocalyx</i> (Domin) Pedley subsp. <i>leiocalyx</i>	Brisbane black wattle	
Mimosaceae	<i>Acacia longispicata</i> Benth.		
Mimosaceae	<i>Acacia macradenia</i> Benth.	zig-zag wattle	
Mimosaceae	<i>Acacia rhodoxylon</i> Maiden	rosewood	
Mimosaceae	<i>Acacia salicina</i> Lindl.	sally wattle	
Mimosaceae	<i>Acacia shirleyi</i> Maiden	lancewood	
Mimosaceae	<i>Acacia sparsiflora</i> Maiden	currawong	
Mimosaceae	<i>Acacia stenophylla</i> A. Cunn. ex Benth.	river cooba	
Mimosaceae	<i>Neptunia gracilis</i> Benth.	sensitive plant	
Molluginaceae	<i>Glinus lotoides</i> L.	hairy carpet weed	
Moraceae	<i>Ficus opposita</i> Miq.	sandpaper fig	
Myoporaceae	<i>Eremophila debilis</i> (Andrews) Chinnock	winter apple	
Myoporaceae	<i>Eremophila longifolia</i> (R., Br.) F. Muell.	berrigan	
Myoporaceae	<i>Eremophila mitchellii</i> Benth.	bastard sandalwood	
Myrtaceae	<i>Angophora floribunda</i> (Sm.) Sweet	roughbark apple	
Myrtaceae	<i>Angophora leiocarpa</i> (L.A.S. Johnson ex G.J. Leach) K.R. Thiele & Ladiges	smooth-bark apple	
Myrtaceae	<i>Austromyrtus bidwillii</i> (Benth.) Burret		
Myrtaceae	<i>Corymbia clarksoniana</i> (D.J. Carr & S.G. Carr) K.D. Hill & L.A.S. Johnson	smooth-barked	
Myrtaceae		ironwood	
Myrtaceae	<i>Eucalyptus camaldulensis</i> Dehnh.	long-fruited bloodwood	
Myrtaceae	<i>Eucalyptus cambageana</i> Maiden		
Myrtaceae	<i>Eucalyptus coolabah</i> Blakely & Jacobs	river red gum	
Myrtaceae	<i>Eucalyptus crebra</i> F. Muell.	Dawson gum	
Myrtaceae	<i>Eucalyptus exserta</i> F. Muell.	coolabah	
Myrtaceae	<i>Eucalyptus melanophloia</i> F. Muell.	narrow-leaved ironbark	
Myrtaceae	<i>Eucalyptus populnea</i> F. Muell.	Queensland peppermint	
Myrtaceae	<i>Eucalyptus tenuipes</i> (Maiden & Blakely) Blakley & C.T. White	silver leaved ironbark	
Myrtaceae	<i>Eucalyptus tereticornis</i> Sm.	poplar box	
Myrtaceae	<i>Eucalyptus tessellaris</i> F. Muell.	narrow-leaved	
Myrtaceae	<i>Leptospermum neglectum</i> Joy Thoms.	mahogany	
Myrtaceae	<i>Lophostemon suaveolens</i> (Sol. ex Gaertn.) Peter G. Wilson & J.T. Waterh.	forest red gum	
Myrtaceae		Moreton Bay ash	
Myrtaceae	<i>Lysicarpus angustifolius</i> (Hook.) Druce		
Myrtaceae	<i>Melaleuca linariifolia</i> var. <i>trichostachya</i> (Lindl.) Benth.	swamp box	
Nyctaginaceae	<i>Boerhavia dominii</i> Meidle & Hewson		
Nyctaginaceae	<i>Boerhavia pubescens</i> R. Br.	budgeroo	
Oleaceae	<i>Jasminum didymum</i> subsp. <i>lineare</i> (R. Br.) P.S.Green	flaxleaf paperbark	
		native jasmine	

Family	Species	Common name	Status
Oleaceae	<i>Jasminum simplicifolium</i> subsp. <i>australiense</i> P.S. Green	stiff jasmine	
Oleaceae	<i>Notelaea microcarpa</i> R. Br.	small fruited mock olive	
Onagraceae	<i>Epilobium hirtigerum</i> A. Cunn.		♦
Onagraceae	<i>Gaura parviflora</i> Douglas	clockweed	
Onagraceae	<i>Ludwigia octovalvis</i> (Jacq.) Raven	willow primrose	♦
Onagraceae	<i>Ludwigia peploides</i> subsp. <i>montevidensis</i> (Spreng.) P.H. Raven		♦
Onagraceae	<i>Oenothera indecora</i> subsp. <i>bonariensis</i> W. Dietr.	small flower evening primrose	♦
Orchidaceae	<i>Cymbidium canaliculatum</i> R.Br.		
Oxalidaceae	<i>Oxalis perennans</i> Haw.		♦
Papaveraceae	<i>Argemone ochroleuca</i> Sweet subsp. <i>ochroleuca</i>		
Pittosporaceae	<i>Bursaria incana</i> Lindl. var. <i>incana</i>		
Pittosporaceae	<i>Citriobatus spinescens</i> (F. Muell.) Druce	large-fruited orange thorn	
Pittosporaceae	<i>Pittosporum rhombifolium</i> A. Cunn. ex Hook.		
Plantaginaceae	<i>Plantago cunninghamii</i> Deene.		
Plantaginaceae	<i>Plantago turrifera</i> B.G. Briggs, Carolin & Pulley		
Poaceae	<i>Agrostis avenacea</i> J.F. Gimel. var. <i>avenacea</i>		
Poaceae	<i>Ancistrachne uncinulata</i> (R. Br.) S.T. Blake	blowngrass	
Poaceae	<i>Aristida benthamii</i> var. <i>spinulifera</i> B.K.Simon	hooky grass	
Poaceae	<i>Aristida calycina</i> R. Br. var. <i>calycina</i>		
Poaceae	<i>Aristida calycina</i> var. <i>praealta</i> Domin		
Poaceae	<i>Aristida caput-medusae</i> Domin	many headed wiregrass	
Poaceae	<i>Aristida gracilipes</i> (Domin) Henrard		
Poaceae	<i>Aristida latifolia</i> Domin		
Poaceae	<i>Aristida leichhardtiana</i> Domin		
Poaceae	<i>Aristida lignosa</i> B.K.Simon		
Poaceae	<i>Aristida personata</i> Henrard		
Poaceae	<i>Aristida queenslandica</i> Henrard var. <i>queenslandica</i>		
Poaceae	<i>Aristida queenslandica</i> var. <i>dissimilis</i> (S.T.Blake)		
Poaceae	B.K.Simon		
Poaceae	<i>Aristida ramosa</i> R.Br.	purple wiregrass	
Poaceae	<i>Arundinella neplanensis</i> Trin.	reed grass	
Poaceae	<i>Austrostipa verticillata</i> (Nees ex Spreng.) S.W.L. Jacobs & J. Everett	slender bamboo grass	
Poaceae	<i>Bothriochloa bladhii</i> (Retz.) S.T. Blake subsp. <i>bladhii</i>	forest bluegrass	
Poaceae	<i>Bothriochloa decipiens</i> (Hack.) C.E. Hubb. var. <i>decipiens</i>	pitted bluegrass	
Poaceae	<i>Brachiaria eruciformis</i> (Sm.) Griseb.		♦
Poaceae	<i>Brachiaria foliosa</i> (R. Br.) Hughes	leafy panic	
Poaceae	<i>Brachiaria subquadripila</i> (Trin.) Hitch.		
Poaceae	<i>Calyptochloa gracillima</i> C.E. Hubb.	scented top	
Poaceae	<i>Capillipedium spicigerum</i> S.T. Blake	buffel grass	♦
Poaceae	<i>Cenchrus ciliaris</i> L.	river grass	
Poaceae	<i>Chionachne cyathopoda</i> (F. Muell.) F. Muell. ex Benth.	slender chloris	
Poaceae	<i>Chloris divaricata</i> R. Br.	rhodes grass	♦
Poaceae	<i>Chloris gayana</i> Kunth	tall chloris	
Poaceae	<i>Chloris ventricosa</i> R. Br.		
Poaceae	<i>Cleistochloa subjuncea</i> C.E. Hubb.	silky oilgrass	
Poaceae	<i>Cymbopogon bombycinus</i> (R. Br.) Domin	barb wire grass	
Poaceae	<i>Cymbopogon refractus</i> (R.Br.) A. Camus	green couch	
Poaceae	<i>Cynodon dactylon</i> (L.) Pers. var. <i>dactylon</i>		
Poaceae	<i>Dichanthium sericeum</i> subsp. <i>humilius</i> (J.M. Black)		
Poaceae	B.K. Simon		

Family	Species	Common name	Status
Poaceae	<i>Digitaria breviglumis</i> (Domin) Henrard		
Poaceae	<i>Digitaria brownii</i> (Roem. & Schult.) Hughes	cotton panic	
Poaceae	<i>Digitaria divaricatissima</i> (R. Br.) Hughes	umbrella grass	
Poaceae	<i>Digitaria longiflora</i> (Retz.) Pers.		
Poaceae	<i>Echinochloa crusgalli</i> (L.) P. Beauv.	barnyard grass	♦
Poaceae	<i>Enneapogon gracilis</i> (R. Br.) P. Beauv.	slender nineawn	
Poaceae	<i>Enneapogon lindleyanus</i> (Domin) C.E. Hubb.	prickly couch	
Poaceae	<i>Enteropogon acicularis</i> (Lindl.) Lazarides	curly windmill grass	
Poaceae	<i>Enteropogon ramosus</i> B.K. Simon	windmill grass	
Poaceae	<i>Enteropogon unispiceus</i> (F. Muell.) Clayton		
Poaceae	<i>Eragrostis elongata</i> (Willd.) J. Jacq.	clustered love grass	
Poaceae	<i>Eragrostis lacunaria</i> F. Muell. ex Benth.	purple lovegrass	
Poaceae	<i>Eragrostis leptostachya</i> (R. Br.) Steud.	paddock love grass	
Poaceae	<i>Eragrostis longipedicellata</i> B.K. Simon		
Poaceae	<i>Eriochloa decumbens</i> F.M. Bailey		
Poaceae	<i>Eriochloa pseudoacrotricha</i> (Stapf ex Thell.) J.M. Black	early spring grass	
Poaceae	<i>Eulalia aurea</i> (Bory) Kunth	silky browntop	
Poaceae	<i>Heteropogon contortus</i> (L.) Beauv. ex. Roem. & Schult.	black speargrass	
Poaceae	<i>Imperata cylindrica</i> (L.) Raeusch.	blady grass	
Poaceae	<i>Isachne globosa</i> (Thunb.) Kuntze	swamp millet	
Poaceae	<i>Leersia hexandra</i> Sw.	swamp rice grass	
Poaceae	<i>Leptochloa ciliolata</i> (Jedwabn.) S.T. Blake	umbrella canegrass	
Poaceae	<i>Leptochloa digitata</i> (R. Br.) Domin		
Poaceae	<i>Leptochloa peacockii</i> (Maiden & Betche) Domin		
Poaceae	<i>Melinis repens</i> (Willd.) Zizka	red Natal grass	♦
Poaceae	<i>Oplismenus aemulus</i> (R. Br.) Roem. & Schult.	creeping shade grass	
Poaceae	<i>Panicum effusum</i> R. Br. var. <i>effusum</i>	hairy panic	
Poaceae	<i>Panicum laevinode</i> Lindl.	pepper grass	
Poaceae	<i>Panicum maximum</i> var. <i>trichoglume</i> Eyles ex Robyns	green panic	♦
Poaceae	<i>Paspalidium caespitosum</i> C.E.Hubb.	brigalow grass	
Poaceae	<i>Paspalidium constrictum</i> (Domin) C.E. Hubb.	knottybutt grass	
Poaceae	<i>Paspalidium criniforme</i> S.T.Blake		
Poaceae	<i>Paspalidium disjunctum</i> S.T.Blake	shotgrass	
Poaceae	<i>Paspalidium distans</i> (Trin.) Hughes	slender panic	
Poaceae	<i>Paspalidium gracile</i> (R. Br.) Hughes	warrego grass	
Poaceae	<i>Paspalidium jubiflorum</i> (Trin.) Hughes	paspalum	
Poaceae	<i>Paspalum dilatatum</i> Poir.	comet grass	♦
Poaceae	<i>Perotis rara</i> R. Br.	common reed	
Poaceae	<i>Phragmites australis</i> (Cav.) Trin. ex Steud.	sweet swampgrass	
Poaceae	<i>Poa fordeana</i> F. Muell.	Indian cupscale grass	
Poaceae	<i>Sacciolepis indica</i> (L.) Chase		
Poaceae	<i>Setaria dielsii</i> Herrm.		
Poaceae	<i>Setaria surgens</i> Stapf	wild sorghum	
Poaceae	<i>Sorghum leiocladum</i> (Hack.) C.E. Hubb.	yakka grass	
Poaceae	<i>Sporobolus caroli</i> Mez.		
Poaceae	<i>Sporobolus coromandelianus</i> (Retz.) Kunth	slender rat's-tail grass	
Poaceae	<i>Sporobolus elongatus</i> R. Br.	rat's tail couch	♦
Poaceae	<i>Sporobolus mitchellii</i> (Trin.) C.E. Hubb. ex S.T. Blake		
Poaceae	<i>Thellungia advena</i> Stapf ex Probst	coolibah grass	
Poaceae	<i>Themeda avenacea</i> (F. Muell.) Maiden & Betche	native oatgrass	
Poaceae	<i>Themeda triandra</i> Forssk.	kangaroo grass	
Poaceae	<i>Thyridolepis xerophila</i> (Domin) S.T. Blake		
Poaceae	<i>Tragus australianus</i> S.T. Blake	small burr grass	
Poaceae	<i>Triodia mitchellii</i> Benth. var. <i>mitchellii</i>	buck spinifex	

Family	Species	Common name	Status
Poaceae	<i>Triodia pungens</i> R. Br. var. <i>pungens</i>	sabi grass	♦
Poaceae	<i>Urochloa mosambicensis</i> (Hack.) Dandy	Australian vetiveria	♦
Poaceae	<i>Vetiveria filipes</i> (Benth.) C.E. Hubb.		
Polygonaceae	<i>Fallopia convolvulus</i> (L.) A. Love	lignum	
Polygonaceae	<i>Muehlenbeckia florulenta</i> Meisner		
Polygonaceae	<i>Persicaria attenuata</i> (R. Br.) Sojak subsp. <i>attenuata</i>		
Polygonaceae	<i>Persicaria decipiens</i> (R. Br.) K.L. Wilson		
Polygonaceae	<i>Persicaria hydropiper</i> (L.) Spach	water pepper	
Polygonaceae	<i>Persicaria lapathifolia</i> (L.) S.F. Gray		
Polygonaceae	<i>Persicaria orientalis</i> (L.) Spach		
Polygonaceae	<i>Polygonum plebeium</i> R. Br.	small knotweed	
Polygonaceae	<i>Rumex brownii</i> Campd.	swamp dock	
Polygonaceae	<i>Rumex tenax</i> Rech.f.		
Portulacaceae	<i>Portulaca bicolor</i> F. Muell.		
Portulacaceae	<i>Portulaca oleracea</i> L.	pigweed	
Portulacaceae	<i>Portulaca pilosa</i> L. subsp. <i>pilosa</i>		
Potamogetonaceae	<i>Potamogeton crispus</i> L.	curly pondweed	
Potamogetonaceae	<i>Potamogeton tricarinatus</i> F. Muell. & A. Benn. ex A. Benn.	floating pondweed	
Proteaceae	<i>Grevillea robusta</i> A. Cunn. ex R. Br.	silky oak	
Proteaceae	<i>Grevillea striata</i> R. Br.	beefwood	
Proteaceae	<i>Hakea fraseri</i> R.Br.	corkwood oak	
Ranunculaceae	<i>Ranunculus lappaceus</i> Sm.	common buttercup	
Rhamnaceae	<i>Alphitonia excelsa</i> (A. Cunn. ex Fenzl) Reissek ex Benth.	soap tree	
Rhamnaceae	<i>Cryptandra</i> sp. (Isla Gorge P.Sharpe 627)		
Rosaceae	<i>Rubus parvifolius</i> L.	native raspberry	
Rubiaceae	<i>Asperula conferta</i> Hook.f.	common woodruff	
Rubiaceae	<i>Asperula geminifolia</i> F. Muell.		
Rubiaceae	<i>Canthium coprosmoides</i> F. Muell.	coastal coffee bush	
Rubiaceae	<i>Canthium odoratum</i> (G. Forst.) Seem.		
Rubiaceae	<i>Canthium oleifolium</i> Hook.	myrtle tree	
Rubiaceae	<i>Canthium</i> sp. (Berrigurra Station E.R.Anderson 2829)		
Rubiaceae	<i>Canthium vacciniifolium</i> F. Muell.	small-leaved canthium	
Rubiaceae	<i>Oldenlandia mitrasacmoides</i> subsp. <i>trachymenoides</i> (F. Muell.) Halford		
Rubiaceae	<i>Richardia brasiliensis</i> Gomes	Mexican clover	♦
Rubiaceae	<i>Spermacoce multicaulis</i> Benth.		
Rutaceae	<i>Eremocitrus glauca</i> (Lindl.) Swingle	limebush	
Rutaceae	<i>Flindersia australis</i> R. Br.	crow's ash	
Rutaceae	<i>Flindersia collina</i> F.M. Bailey	broad-leaved leopard tree	
Rutaceae	<i>Geijera parviflora</i> Lindl.	wilga	
Rutaceae	<i>Melicope erythrococca</i> (F. Muell.) Benth.	tingletongue	
Salicaceae	<i>Salix babylonica</i> L.	weeping willow	
Santalaceae	<i>Exocarpos latifolius</i> R. Br.	native cherry	
Santalaceae	<i>Santalum lanceolatum</i> R. Br.	sandalwood	
Sapindaceae	<i>Alectryon connatus</i> (F. Muell.) Radk.	grey birds-eye	
Sapindaceae	<i>Alectryon diversifolius</i> (F. Muell.) S. Reynolds	scrub boonaree	
Sapindaceae	<i>Alectryon oleifolius</i> subsp. <i>elongatus</i> S.T. Reynolds	boonaree	
Sapindaceae	<i>Atalaya hemiglaucha</i> (F.Muell) F.Muell. ex Benth.	whitewood	
Sapindaceae	<i>Atalaya salicifolia</i> (A. DC.) Blume	whitewood	
Sapindaceae	<i>Dodonaea heteromorpha</i> J.G. West		
Sapindaceae	<i>Dodonaea viscosa</i> subsp. <i>spatulata</i> (Sm.) J.G. West	sticky hop bush	
Sapotaceae	<i>Planchonella cotinifolia</i> var. <i>pubescens</i> P. Royen		
Scrophulariaceae	<i>Bacopa monnierii</i> (L.) Pennell		
Scrophulariaceae	<i>Gratiola pedunculata</i> R. Br.		

Family	Species	Common name	Status
Scrophulariaceae	<i>Mimulus gracilis</i> R. Br.		
Solanaceae	<i>Datura ferox</i> L.	fierce thornapple	♦
Solanaceae	<i>Nicotiana megalosiphon</i> Huerck & Muell. Arg. subsp. <i>megalosiphon</i>		
Solanaceae	<i>Physalis lanceifolia</i> Nees		♦
Solanaceae	<i>Solanum americanum</i> Mill.		
Solanaceae	<i>Solanum ellipticum</i> R.Br.	glossy nightshade	
Solanaceae	<i>Solanum esuriale</i> Lindl.	potato bush	
Solanaceae	<i>Solanum parvifolium</i> R. Br.	potato weed	
Solanaceae	<i>Solanum semiarmatum</i> F. Muell.		
Stackhousiaceae	<i>Stackhousia muricata</i> Lindl.	prickly nightshade	
Sterculiaceae	<i>Brachychiton australis</i> (Schott & Endl.) A. Terracc.	broad-leaved bottle tree	
Sterculiaceae	<i>Brachychiton populneus</i> (Schott & Endl.) R. Br. subsp. <i>populneus</i>	kurrajong	
Sterculiaceae	<i>Brachychiton rupestris</i> (Mitch. ex Lindl.) K. Schum.	narrow-leaved bottle tree	
Sterculiaceae	<i>Keraudrenia corollata</i> (Steetz) Druce		
Sterculiaceae	<i>Melhania oblongifolia</i> F. Muell.		
Thymelaeaceae	<i>Pimelea latifolia</i> R. Br.	spiked riceflower	
Thymelaeaceae	<i>Pimelea trichostachya</i> Lindl.	dog's nuts	
Tiliaceae	<i>Grewia latifolia</i> F. Muell. ex Benth.	condamine couch	
Verbanaceae	<i>Phyla canescens</i> (Kunth) Greene	lollybush	
Verbenaceae	<i>Clerodendrum floribundum</i> R. Br.	native broom	
Verbenaceae	<i>Spartothamnella juncea</i> (A. Cunn. ex Walp.) Briq.		
Verbenaceae	<i>Spartothamnella puberula</i> (F. Muell.) Maiden & Betche		
Verbenaceae	<i>Verbena aristigera</i> S.Moore	Mayne's pest	
Verbenaceae	<i>Verbena litoralis</i> Kunth	verbena	♦
Verbenaceae	<i>Verbena officinalis</i> L.	common verbena	
Violaceae	<i>Hybanthus monopetalus</i> (Schult.) Domin	lady's slipper	
Vitaceae	<i>Cissus opaca</i> F. Muell.	slender grape	
Xanthorrhoeaceae	<i>Lomandra confertifolia</i> subsp. <i>pallida</i> A.T. Lee		
Xanthorrhoeaceae	<i>Lomandra filiformis</i> (Thunb.) Britten subsp. <i>filiformis</i>		
Xanthorrhoeaceae	<i>Lomandra leucocephala</i> (R.Br.) Ewart	woolly matrush	
Xanthorrhoeaceae	<i>Lomandra longifolia</i> Labill.	spinyhead matrush	
Xanthorrhoeaceae	<i>Lomandra multiflora</i> (R. Br.) Britten subsp. <i>multiflora</i>		
Zygophyllaceae	<i>Tribulus micrococcus</i> Domin		
Zygophyllaceae	<i>Zygophyllum apiculatum</i> F. Muell.	gall weed	

APPENDIX 2

SPECIES AND OCCURRENCE IN VEGETATION COMMUNITIES AND MAPPING UNITS

Listed below are the species recorded and the map units in which they were observed. Species not recorded in a site but observed in the field are recorded under others. Species listed as others are recorded under the habitat in which they were observed.

The codes for the vegetation types are those used elsewhere within this report, viz:

1. Mixed *Eucalyptus camaldulensis* (river red gum), *Eucalyptus tereticornis* (forest red gum), *Eucalyptus coolabah* (coolibah) communities of the Dawson River and its tributaries
2. Mixed *Eucalyptus camaldulensis* (river red gum), *Eucalyptus tereticornis* (forest red gum) of the tributaries of the Dawson River
3. *Eucalyptus coolabah* (coolibah) communities of the Dawson River floodplain and associated creek systems
4. *Callitris glauophylla* (cypress pine) communities on sands
5. Mixed *Eucalyptus crebra* (ironbark) and *Callitris glauophylla* (cypress pine) communities on sandstone
6. Mixed *Acacia harpophylla* (brigalow), vine thicket and *Eucalyptus* spp communities
7. *Eucalyptus populnea* (poplar box) communities on alluvium
8. Mixed *Eucalyptus* spp communities
- 9a. Vine thicket communities
- 9b. *Brachychiton rupestris* (bottle tree) communities
10. *Casuarina cristata* (belah) communities
11. *Acacia rhodoxylon* (rosewood) communities
12. Mixed *Acacia rhodoxylon* (rosewood), *Acacia shirleyi* (lancewood) and *Acacia harpophylla* (brigalow) communities

Species	Map Unit												others	
	1	2	3	4	5	6	7	8	9a	9b	10	11	12	
<i>Abutilon fraseri</i>						6		8						
<i>Abutilon oxycarpum forma acutatum</i>						6		8	9a	9b				
<i>Abutilon oxycarpum forma oxycarpum</i>	1	2	3		5		7	8	9a			11	12	
<i>Acacia amblygona</i>						5								
<i>Acacia caroleae</i>						5			8					
<i>Acacia conferta</i>									8					
<i>Acacia deanei</i> subsp. <i>deanei</i>		2				5								
<i>Acacia decora</i>		2		4					8					
<i>Acacia excelsa</i>	1			4		6		8			10			
<i>Acacia farnesiana</i>	1	2	3											
<i>Acacia fasciculifera</i>						6			9a	9b				
<i>Acacia harpophylla</i>				3		5	6		8		9b		12	
<i>Acacia juncifolia</i> subsp. <i>juncifolia</i>						5								
<i>Acacia leiocalyx</i> subsp. <i>leiocalyx</i>					4	5								
<i>Acacia longispicata</i>								6						

Species	Map Unit												
	1	2	3	4	5	6	7	8	9a	9b	10	11	12
Acacia macradenia								8					
Acacia rhodoxylon								8			11	12	
Acacia salicina		2											
Acacia shirleyi												12	
Acacia sparsiflora					5								
Acacia stenophylla	1		3										
Acalypha eremorum						6			9a	9b			
Achyranthes aspera						6		8	9a				
Adriana glabrata var. subglabra		2											
Agrostis avenacea var. avenacea		2											
Ajuga australis		2											
Alectryon connatus					6				9a				
Alectryon diversifolius	1				5	6	7		9a	9b	10		
Alectryon oleifolius subsp. elongatus	1												
Allocasuarina luehmannii					5								
Alphitonia excelsa		2			5			8				11	
Alstonia constricta				4		6		8		9b		11	12
Alternanthera denticulata	1	2	3										
Alternanthera nodiflora	1												
Amaranthus graecizans subsp. sylvestris									9a				
Amaranthus viridis			3										
Ampelopteris prolifera		2											
Amyema congener subsp. congener							7						
Amyema quandang var. bancroftii												11	
Ancistrachne uncinulata					5	6		8	9a	9b	10		12
Angophora floribunda					5								
Angophora leiocarpa		2			5								
Apophyllum anomalum					5	6		8	9a	9b			
Argemone ochroleuca subsp. ochroleuca		2											
Aristida benthamii var. spinulifera				4									
Aristida calycina var. calycina							7						
Aristida calycina var. praealta		2			5	6	7	8				11	
Aristida caput-medusae					4	5	6		8			11	12
Aristida gracilipes							6		8				
Aristida latifolia			3										
Aristida leichhardtiana					5								
Aristida lignosa					5	6							
Aristida personata	1	2			5		7				10		
Aristida queenslandica var. dissimilis								8					
Aristida queenslandica var. queenslandica						5							
Aristida ramosa						5							
Arundinella neplanensis		2				5			8				
Asperula conferta	1		3										
Asperula geminifolia		2											
Aster subulatus		2											
Atalaya hemiglaucia						5	6	8					

Species	Map Unit												others
	1	2	3	4	5	6	7	8	9a	9b	10	11	
<i>Atalaya salicifolia</i>						6		8	9a		10	11	
<i>Atriplex muelleri</i>			3										
<i>Austromyrtus bidwillii</i>										9b			
<i>Austrostipa verticillata</i>				4				8	9a	9b			
<i>Azolla pinnata</i>													aquatic
<i>Baccharis halimifolia</i>		2											
<i>Bacopa monnieri</i>		2											
<i>Basilicum polystachyon</i>	1												
<i>Bertya oleifolia</i>		2			5								
<i>Bertya pedicellata</i>												11	
<i>Bidens bipinnata</i>		2											
<i>Boerhavia dominii</i>	1		3	4				8					
<i>Boerhavia pubescens</i>					4								
<i>Bothriochloa bladhii</i> subsp. <i>bladhii</i>	1	2											
<i>Bothriochloa decipiens</i> var. <i>decipiens</i>	1	2	3			6	7	8					
<i>Brachiaria eruciformis</i>							7						
<i>Brachiaria foliosa</i>								8	9a				
<i>Brachiaria subquadripala</i>		2					7						
<i>Brachychiton australis</i>						6							
<i>Brachychiton populneus</i> subsp. <i>populneus</i>		2											
<i>Brachyscome trachycarpa</i>			3										
<i>Bracteantha bracteata</i>					5	6							
<i>Breynia oblongifolia</i>				4		6				9b			12
<i>Brunoniella australis</i>			3		5	6		8					12
<i>Bursaria incana</i> var. <i>incana</i>						6				9b			
<i>Callitriches sonderi</i>		2											
<i>Callitris glaucophylla</i>					4	5	6		8				
<i>Calotis cuneata</i>	1	2	3				7						
<i>Calotis cuneifolia</i>						5							
<i>Calotis dentex</i>		2				5							
<i>Calotis hispidula</i>				3									
<i>Calotis lappulacea</i>	1			4									
<i>Calyptochloa gracillima</i>						5	6	7	8	9a	9b	10	12
<i>Canthium coprosmoides</i>						5	6						
<i>Canthium odoratum</i>				4	5	6							12
<i>Canthium oleifolium</i>									8				
<i>Canthium</i> sp. (Berrigurra Station E.R.Anderson 2829)						6		8		9b	10		
<i>Canthium vacciniifolium</i>					5	6			9a	9b	10		12
<i>Capillipedium spicigerum</i>		2											
<i>Capparis canescens</i>						6							
<i>Capparis lasiantha</i>					5			8	9a	9b	10	11	
<i>Capparis loranthifolia</i> var. <i>bancroftii</i>						6							12
<i>Capparis mitchellii</i>					5			8	9a				11
<i>Carex appressa</i>	1	2											

Species	Map Unit												
	1	2	3	4	5	6	7	8	9a	9b	10	11	12
Carex polyantha		2											
Carissa ovata					5	6		8	9a	9b	10	11	12
Cassia tomentella								8	9a				
Cassine australis var. angustifolia						6		8	9a		10		
Cassinia laevis						5							
Casuarina cristata									9a		10		
Cenchrus ciliaris	1	2	3	4			7	8	9a	9b	10	11	12
Centaurea melitensis		2											
Centaurium erythraea		2											
Centella asiatica		2											
Centipeda minima	1	2											
Chamaesyce dallachiana	1		3				7	8					
Chara sp.													aquatic
Cheilanthes distans				4	5	6		8	9a				
Cheilanthes sieberi subsp. sieberi				4	5			8					12
Chenopodium ambrosioides		2											
Chenopodium carinatum		2		4		6	7		9a				11
Chenopodium desertorum subsp. anidiophyllum							7						
Chenopodium pumilio				3									
Chionachne cyathopoda		2											
Chloris divaricata			3										
Chloris gayana													roadside
Chloris ventricosa			3		5	6	7	8	9a	9b			
Chrysocephalum apiculatum				4	5								
Ciclospermum leptophyllum	1	2	3										
Cirsium vulgare		2											
Cissus opaca						6		8	9a	9b	10	11	12
Citriobatus spinescens						6			9a	9b			
Claoxylon tenerifolium													11
Cleistochloa subjuncea					5			8					11 12
Clerodendrum floribundum					5								11
Commelina diffusa	1			4									11
Conyza bonariensis	1	2	3			6							
Coronopus didymus	1	2											
Corymbia clarksoniana					5			8					
Crassula sieberiana								8					
Crotalaria incana subsp. incana		2											
Crotalaria montana		2											
Croton insularis						6			9a	9b			
Croton phebaliooides						6			9a				11
Cryptandra sp. (Isla Gorge P.Sharpe 627)					5								
Cuscuta campestris	1												
Cyclosorus interruptus		2											
Cymbidium canaliculatum											10		
Cymbopogon bombycinus				4	5								

Species	Map Unit												
	1	2	3	4	5	6	7	8	9a	9b	10	11	12
<i>Cymbopogon refractus</i>					5	6	7	8					
<i>Cynodon dactylon</i> var. <i>dactylon</i>	1	2	3										
<i>Cynoglossum australe</i> var. <i>australe</i>							7						
<i>Cyperus difformis</i>		2											
<i>Cyperus flaccidus</i>	1												
<i>Cyperus gracilis</i>	1	2	3	4			7	8	9a	9b			
<i>Cyperus iria</i>	1		3										
<i>Cyperus lucidus</i>		2											
<i>Cyperus polystachyos</i> var. <i>polystachyos</i>		2											
<i>Cyperus pygmaeus</i>	1												
<i>Cyperus rigidellus</i>											11		
<i>Cyperus rotundus</i>		2	3										
<i>Cyperus sanguinolentus</i>		2											
<i>Cyperus sphaeroideus</i>		2											
<i>Datura ferox</i>												paddock	
<i>Daucus glochidiatus</i>												paddock	
<i>Denhamia oleaster</i>							7	8	9a		10		
<i>Denhamia pittosporoides</i>								8					
<i>Desmodium brachypodium</i>					5							11	
<i>Desmodium rhytidophyllum</i>													
<i>Desmodium varians</i>							7						
<i>Dianella brevipedunculata</i>					5								
<i>Dianella caerulea</i> var. <i>vannata</i>												12	
<i>Dianella longifolia</i> var. <i>longifolia</i>		2											
<i>Dichanthium sericeum</i> subsp. <i>humilius</i>	1		3				7						
<i>Dichondra repens</i>	1		3										
<i>Digitaria breviglumis</i>					5			8				11	
<i>Digitaria brownii</i>					5		7	8		9b			
<i>Digitaria divaricatissima</i>				4									
<i>Digitaria longiflora</i>				4									
<i>Diospyros humilis</i>						6			9a	9b		12	
<i>Dodonaea heteromorpha</i>					5								
<i>Dodonaea viscosa</i> subsp. <i>spatulata</i>					5		7					12	
<i>Dysphania glomulifera</i> subsp. <i>glomulifera</i>												11	
<i>Echinochloa crusgalli</i>		2											
<i>Eclipta prostrata</i>												bore	
<i>Ehretia membranifolia</i>					5	6				9b			
<i>Einadia hastata</i>					5								
<i>Einadia nutans</i> subsp. <i>linifolia</i>		2					7			9b			
<i>Einadia nutans</i> subsp. <i>nutans</i>			3	4				8	9a	9b			
<i>Einadia trigonos</i> subsp. <i>stellulata</i>												12	
<i>Elatine gratioloides</i>		2											
<i>Eleocharis cylindrostachys</i>		2											
<i>Eleocharis equisetina</i>		2											
<i>Eleocharis plana</i>	1												
<i>Eleocharis pusilla</i>	1		3										

Species	Map Unit												others	
	1	2	3	4	5	6	7	8	9a	9b	10	11	12	
Enchytraea tomentosa											10			
Enneapogon gracilis	1		3		5	6	7			9b				
Enneapogon lindleyanus				4	5	6		8			10		12	
Enteropogon acicularis			3		5		7	8			10			
Enteropogon ramosus					5		7							
Enteropogon unispiceus						6		8					12	
Epaltes australis				4										
Epilobium hirtigerum				4			7							bore
Eragrostis elongata				4	5		7							
Eragrostis lacunaria	1		3	4	5	6	7	8				12		
Eragrostis leptostachya				4			7							
Eragrostis longipedicellata								8				12		
Eremocitrus glauca			3								10			
Eremophila debilis	1	2			5									
Eremophila longifolia			3											
Eremophila mitchellii					5	6	7	8		9b	10		12	
Eriocaulon scariosum		2												
Eriochloa decumbens	1	2	3				7				10			
Eriochloa pseudoacrotricha					5	6								
Erodium crinitum							7							
Erythrina vespertilio								8						
Erythroxylum sp. (Splityard Creek L.Pedley 5360)					5	6				9b		11	12	
Eucalyptus camaldulensis	1	2	3											
Eucalyptus camaganeana					5	6		8					12	
Eucalyptus coolabah	1		3											
Eucalyptus crebra					5	6		8				11		
Eucalyptus exserta													11	
Eucalyptus melanophloia				4	5									
Eucalyptus populnea	1						7	8			10			
Eucalyptus tenuipes									8					
Eucalyptus tereticornis		2												
Eucalyptus tessellaris					4	5								
Euchiton sphaericus	1	2	3	4			7		9a					
Eulalia aurea							7							
Euphorbia tannensis var. eremophila					5							11		
Evolvulus alsinoides	1			4	5	6		8					12	
Excoecaria dallachiana										9b				
Exocarpos latifolius									9a					
Fallopia convolvulus														paddock
Ficus opposita		2												
Fimbristylis dichotoma	2		4											
Flindersia australis						6						11	12	
Flindersia collina													12	
Gahnia aspera					5								11	
Gaura parviflora			3											

Species	Map Unit												others	
	1	2	3	4	5	6	7	8	9a	9b	10	11	12	
<i>Geijera parviflora</i>	1		3	4	5	6	7	8	9a	9b	10		12	
<i>Glinus lotoides</i>	1													
<i>Glossocardia bidens</i>							7							
<i>Glycine tabacina</i>	1		3											
<i>Glycine tomentella</i>			2		4									
<i>Gnaphalium polycaulon</i>	1	2	3	4										
<i>Gomphocarpus physocarpus</i>		2												
<i>Gomphrena celosioides</i>	1						7							
<i>Goodenia fascicularis</i>	1	2	3											
<i>Goodenia glabra</i>					5			8						
<i>Goodenia grandiflora</i>					5									
<i>Gratiola pedunculata</i>	1	2												
<i>Grevillea robusta</i>						6								
<i>Grevillea striata</i>					5	6								
<i>Grewia latifolia</i>			3					8						
<i>Hakea fraseri</i>					5	6		8					12	
<i>Halgania brachyrhyncha</i>					5									
<i>Haloragis aspera</i>	1	2												
<i>Helichrysum collinum</i>					5	6								
<i>Heliotropium amplexicaule</i>		2												
<i>Heliotropium indicum</i>	1	2												
<i>Heteropogon contortus</i>	2		4				7							
<i>Hibbertia</i> sp.					5									
<i>Hibiscus sturtii</i>					5	6		8	9a			11	12	
<i>Hibiscus trionum</i>							7							
<i>Hovea lanceolata</i>					5									
<i>Hovea longipes</i>					5	6		8					12	
<i>Hybanthus monopetalus</i>					5	6								
<i>Hypochaeris glabra</i>							7							
<i>Imperata cylindrica</i>	2													
<i>Indigofera linnaei</i>							7							
<i>Indigofera</i> sp.								8					12	
<i>Isachne globosa</i>	2													
<i>Isotoma axillaris</i>													11	
<i>Ixiolaena leptolepis</i>		3												
<i>Jacksonia scoparia</i>					5									
<i>Jacquemontia paniculata</i>						6								
<i>Jasminum didymum</i> subsp. <i>lineare</i>	1		3		5			8		9b	10		12	
<i>Jasminum simplicifolium</i> subsp. <i>australiense</i>								8						
<i>Juncus prismatocarpus</i>	2													
<i>Juncus</i> sp.	2													
<i>Juncus usitatus</i>	2													
<i>Keraudrenia corollata</i>					5			8						
<i>Laxmannia compacta</i>				4		6								
<i>Leersia hexandra</i>		2												
<i>Lemna trisulca</i>													aquatic	

Species	Map Unit												
	1	2	3	4	5	6	7	8	9a	9b	10	11	12
Lepidium africanum							7						
Lepidium bonariense	1	2					7			9b		11	
Leptochloa ciliolata										9b			
Leptochloa digitata	1	2	3										
Leptochloa peacockii		2			5	6						12	
Leptospermum neglectum								8					
Livistona sp. (Taroom R.W.Johnson 2764)	1	2											
Lomandra confertifolia subsp. pallida						6					11		
Lomandra filiformis subsp. filiformis		2						8					
Lomandra leucocephala				4									
Lomandra longifolia	1	2											
Lomandra multiflora subsp. multiflora	1		3		5						11	12	
Lophostemon suaveolens		2			5								
Lotus australis		2	3										
Ludwigia octovalvis													aquatic
Ludwigia peploides subsp. montevidensis													bore
Lysicarpus angustifolius				5			8						
Lysiphyllum carronii	2	3			6		8	9a	9b	10			
Macfadyena unguis-cati						7							
Macroptilium lathyroides	1												
Maireana microphylla		2					8	9a	9b	10	11		
Malva parviflora													paddock
Malvastrum americanum		2			5	6	7	8		9b			
Malvastrum coromandelianum							7						
Marsdenia microlepis											11	12	
Marsilea hirsuta	1	2											
Maytenus cunninghamii				5	6							12	
Medicago polymorpha	1												
Melaleuca linariifolia var. trichostachya	1	2											
Melania oblongifolia						6		8					
Melichrus urceolatus								8					
Melicope erythrococca						6							
Melilotus indicus	1												
Melinis repens	1	2		4			7	8					
Mimulus gracilis	1												
Minuria integrifolia			3										
Muehlenbeckia florulenta	1	2	3										
Murdannia graminea				4									
Neptunia gracilis	1		3										
Nicotiana megalosiphon subsp. megalosiphon													paddock
Notelaea microcarpa					5			9a				12	
Nyssanthes diffusa			3	4	5	6	7	8		9b	10		
Oenothera indecora subsp. bonariensis				4									
Oldenlandia mitrasacmoides subsp. trachymenoides				4									

Species	Map Unit												
	1	2	3	4	5	6	7	8	9a	9b	10	11	12
Olearia canescens									9a				12
Oplismenus aemulus		2											
Opuntia aurantiaca				4		6				9b			12
Opuntia stricta var. stricta		2				6	7		9a				12
Opuntia tomentosa					5	6	7	8		9b			
Ottelia ovalifolia		2											
Owenia venosa						6		8	9a			11	12
Oxalis perennans	1	2	3	4		6			9a			11	12
Ozothamnus diosmifolius					5								
Pandorea pandorana								8				11	
Panicum effusum var. effusum					5		7	8					
Panicum laevinode	1	2											
Panicum maximum var. trichoglume		2						8				11	
Parsonia eucalyptophylla								8			10		
Parsonia lanceolata								8	9a	9b			
Paspalidium caespitosum				3									
Paspalidium constrictum		2											
Paspalidium criniforme	1	2					7			9b		11	
Paspalidium disjunctum			3										
Paspalidium distans	1	2	3			6	7	8				10	
Paspalidium gracile	1		3		5	6	7	8	9a		10	11	12
Paspalidium jubiflorum	1												
Paspalum dilatatum		2											
Peripleura hispidula var. setosa					5								
Perotis rara					4								
Persicaria attenuata subsp. attenuata	1												
Persicaria decipiens		2											
Persicaria hydropiper	1	2											
Persicaria lapathifolia		2											
Persicaria orientalis	1												
Petalostigma pubescens					4	5			8				
Phragmites australis		2											
Phyla canescens	1		3										
Phyllanthus gasstroemii							6						
Phyllanthus maderaspatensis var. maderaspatensis	1		3										
Phyllanthus sp.						5							
Phyllanthus virgatus				3									
Physalis lanceifolia		1											
Pimelea latifolia												11	
Pimelea trichostachya							7						
Pittosporum rhombifolium									9a				
Planchonella cotinifolia var. pubescens						6			9a	9b	10		
Plantago cunninghamii	1		3										
Plantago turrifera			3										
Plectranthus parviflorus				4						9b			

Species	Map Unit												
	1	2	3	4	5	6	7	8	9a	9b	10	11	12
Poa fordeana	1												
Podolepis longipedata				4				8					
Polycarpea corymbosa var. corymbosa					4								
Polygonum plebeium	1	2											
Polymeria calycina								8					
Polymeria pusilla	1		3						8				
Portulaca bicolor										9a	9b		
Portulaca oleracea										9a	9b		
Portulaca pilosa subsp. pilosa				4							9b		
Potamogeton crispus													
Potamogeton tricarinatus		2											
Prostanthera euphrasioides						5							
Pseuderanthemum variabile	1		3	4	5			8				12	
Psoralea tenax	1												
Pterocaulon redolens						6							
Ptilotus exaltatus var. semilanatus							7						
Ptilotus macrocephalus							7						
Ranunculus lappaceus		2											
Rhodanthe polyphylla			3										
Rhynchosia minima var. australis			3				7						
Richardia brasiliensis		2		4									
Rorippa eustylis		2											
Rostellularia adscendens var. adscendens			3	4	5		7			9b			
Rubus parvifolius		2											
Rumex brownii		2											
Rumex tenax	1		3										
Rutidosis crispata												12	
Sacciolepis indica		2											
Salix babylonica	1												
Salsola kali			3							9b			
Salvia plebeia		2											
Salvia reflexa												paddock	
Santalum lanceolatum					5			8				12	
Sarcostemma viminale subsp. brunonianum						6						11	
Schoenoplectus mucronatus		2											
Schoenoplectus validus		2											
Schoenus kennyi								8					
Scleria mackaviensis				5									
Scleria sphacelata				5				8				11	
Sclerolaena birchii								8					
Sclerolaena muricata var. muricata		3											
Sclerolaena muricata var. villosa		3											
Sclerolaena tetracuspis		3											
Secamone elliptica						6							
Senecio laetus subsp. dissectifolius							7						
Senecio quadridentatus					5								

Species	Map Unit												others	
	1	2	3	4	5	6	7	8	9a	9b	10	11	12	
<i>Senna artemisioides</i> subsp. <i>zygophylla</i>					5	6							12	
<i>Senna barclayana</i>							7							
<i>Senna sophera</i> var. (40Mile Scrub J.R.Clarkson+ 6908)												11		
<i>Senna sophera</i> var. <i>sophera</i>	1													
<i>Sesbania cannabina</i> var <i>cannabina</i>		2												
<i>Setaria dielsii</i>									9a			11	12	
<i>Setaria surgens</i>								8						
<i>Sida corrugata</i>			3		5		7							
<i>Sida filiformis</i>					5	6		8				11	12	
<i>Sida pleiantha</i>			3				7							
<i>Sida rhombifolia</i>		2												
<i>Sida rohlenae</i>			3	4								11		
<i>Sida spinosa</i>	1		3											
<i>Sida subspicata</i>							7	8				11		
<i>Sida trichopoda</i>	1		3											
<i>Silybum marianum</i>		2												
<i>Sisymbrium thellungii</i>			3				7							
<i>Solanum americanum</i>									9a	9b				
<i>Solanum ellipticum</i>					5	6		8				11		
<i>Solanum esuriale</i>														paddock
<i>Solanum parvifolium</i>								8		9b	10			
<i>Solanum semiarmatum</i>						6								
<i>Soliva anthemifolia</i>		2						7						
<i>Sonchus oleraceus</i>	1	2												
<i>Sorghum leiocladum</i>		2												
<i>Spartothamnella juncea</i>								8	9a				12	
<i>Spartothamnella puberula</i>						5								
<i>Spermacoce multicaulis</i>									8					
<i>Sporobolus caroli</i>	1		3					7	8		9b	10		
<i>Sporobolus coromandelianus</i>												10		
<i>Sporobolus elongatus</i>	1													
<i>Sporobolus mitchellii</i>	1		3						8					
<i>Stackhousia muricata</i>			3		5		7							
<i>Stellaria angustifolia</i>	2	3												
<i>Swainsona galegifolia</i>	2													
<i>Swainsona oroboides</i>								7						
<i>Tetragonia tetragonoides</i>	1	2	3	4							9b			
<i>Thellungia advena</i>		2	3	4	5	6	7	8		9b				
<i>Themeda avenacea</i>		2						7						
<i>Themeda triandra</i>		2				5							12	
<i>Thyridolepis xerophila</i>						5			8				12	
<i>Tragus australianus</i>							6		8	9a				
<i>Trianthema triquetra</i>								7						
<i>Tribulus micrococcus</i>										9a				
<i>Tricoryne elatior</i>		2												

Species	Map Unit												
	1	2	3	4	5	6	7	8	9a	9b	10	11	12
<i>Triodia mitchellii</i> var. <i>mitchellii</i>					5			8					
<i>Triodia pungens</i> var. <i>pungens</i>												11	
<i>Turraea pubescens</i>												11	
<i>Urochloa mosambicensis</i>	1												
<i>Utricularia dichotoma</i>			2										
<i>Utricularia gibba</i>			2										
<i>Verbena aristigera</i>	1	2					7						
<i>Verbena litoralis</i>			2										
<i>Verbena officinalis</i>	1	2					7						
<i>Verbesina enceliaoides</i>							7						
<i>Vernonia cinerea</i> var. <i>cinerea</i>	1			4				8					
<i>Vetiveria filipes</i>	1	2	3					8					
<i>Vittadinia cuneata</i> var. <i>hirsuta</i>					4	5							
<i>Vittadinia dissecta</i> var. <i>hirta</i>					4								
<i>Vittadinia pterochaeta</i>					4								
<i>Vittadinia pustulata</i>		2					6						
<i>Wahlenbergia communis</i>		2											
<i>Wahlenbergia gracilis</i>	1	2	3										
<i>Wahlenbergia tumidifructa</i>		2			5			8					
<i>Xanthium spinosum</i>		2											
<i>Zaleya galericulata</i> subsp. <i>galericulata</i>								8					
<i>Zinnia peruviana</i>							7						
<i>Zornia muriculata</i> subsp. <i>angustata</i>							7						
<i>Zygophyllum apiculatum</i>										9b			

APPENDIX 3

SPECIES LIST BY MAP UNIT

The species found in each map unit are listed below.

Map unit 1. Tall Open forest of
Eucalyptus camaldulensis (river red
gum), *Eucalyptus tereticornis* (forest red
gum) and *Eucalyptus coolabah*
(coolibah)

Abutilon oxycarpum forma *oxycarpum*
Acacia excelsa
Acacia farnesiana
Acacia stenophylla
Alectryon diversifolius
Alectryon oleifolius subsp. *elongatus*
Alternanthera denticulata
Alternanthera nodiflora
Aristida personata
Asperula conferta
Basilicum polystachyon
Boerhavia dominii
Bothriochloa bladhii subsp. *bladhii*
Bothriochloa decipiens var. *decipiens*
Calotis cuneata
Calotis lappulacea
Carex appressa
Cenchrus ciliaris
Centipeda minima
Chamaesyce dallachiana
Ciclospermum leptophyllum
Commelina diffusa
Conyza bonariensis
Coronopus didymus
Cuscuta campestris
Cynodon dactylon var. *dactylon*
Cyperus flaccidus
Cyperus gracilis
Cyperus iria
Cyperus pygmaeus
Dichanthium sericeum subsp. *humilius*
Dichondra repens
Eleocharis plana
Eleocharis pusilla
Enneapogon gracilis
Eragrostis lacunaria

Eremophila debilis
Eriochloa decumbens
Eucalyptus camaldulensis
Eucalyptus coolabah
Eucalyptus populnea
Euchiton sphaericus
Evolvulus alsinoides
Geijera parviflora
Glinus lotoides
Glycine tabacina
Gnaphalium polycaulon
Gomphrena celosioides
Goodenia fascicularis
Gratiola pedunculata
Haloragis aspera
Heliotropium indicum
Jasminum didymum subsp. *lineare*
Lepidium bonariense
Leptochloa digitata
Livistona sp. (Taroom R.W.Johnson 2764)
Lomandra longifolia
Lomandra multiflora subsp. *multiflora*
Macroptilium lathyroides
Medicago polymorpha
Melaleuca linariifolia var. *trichostachya*
Melilotus indicus
Melinis repens
Mimulus gracilis
Muehlenbeckia florulenta
Neptunia gracilis
Oxalis perennans
Panicum laevinode
Paspalidium criniforme
Paspalidium distans
Paspalidium gracile
Paspalidium jubiflorum
Persicaria attenuata subsp. *attenuata*
Persicaria hydropiper
Persicaria orientalis
Phyla canescens
Phyllanthus maderaspatensis var.
maderaspatensis
Physalis lanceifolia

Plantago cunninghamii	Callitriches sonderi
Poa fordeana	Calotis cuneata
Polygonum plebeium	Calotis dentex
Polymeria pusilla	Capillipedium spicigerum
Pseuderanthemum variabile	Carex appressa
Psoralea tenax	Carex polyantha
Rumex tenax	Cenchrus ciliaris
Salix babylonica	Centaurea melitensis
Senna sophera var. sophera	Centaurea erythraea
Sida spinosa	Centella asiatica
Sida trichopoda	Centipeda minima
Sonchus oleraceus	Chenopodium ambrosioides
Sporobolus caroli	Chenopodium carinatum
Sporobolus elongatus	Chionachne cyathopoda
Sporobolus mitchellii	Ciclospermum leptophyllum
Tetragonia tetragonoides	Cirsium vulgare
Urochloa mosambicensis	Conyza bonariensis
Verbena aristigera	Coronopus didymus
Verbena officinalis	Crotalaria incana subsp. incana
Vernonia cinerea var. cinerea	Crotalaria montana
Vetiveria filipes	Cyclosorus interruptus
Wahlenbergia gracilis	Cynodon dactylon var. dactylon

Map Unit 2 Very tall Open forest-tall woodland of *Eucalyptus camaldulensis* (river red gum) and *Eucalyptus tereticornis* (forest red gum)

Abutilon oxycarpum forma oxycarpum	Cyperus difformis
Acacia deanei subsp. deanei	Cyperus gracilis
Acacia decora	Cyperus lucidus
Acacia farnesiana	Cyperus polystachyos var. polystachyos
Acacia salicina	Cyperus rotundus
Adriana glabrata var. subglabra	Cyperus sanguinolentus
Agrostis avenacea var. avenacea	Cyperus sphaeroideus
Ajuga australis	Dianella longifolia var. longifolia
Alphitonia excelsa	Echinochloa crusgalli
Alternanthera denticulata	Einadia nutans subsp. linifolia
Ampelopteris prolifera	Elatine gratioloides
Angophora leiocarpa	Eleocharis cylindrostachys
Argemone ochroleuca subsp. ochroleuca	Eleocharis equisetina
Aristida calycina var. praefulta	Eremophila debilis
Aristida personata	Eriocaulon scariosum
Arundinella neplanensis	Eriochloa decumbens
Asperula geminifolia	Eucalyptus camaldulensis
Aster subulatus	Eucalyptus tereticornis
Baccharis halimifolia	Euchiton sphaericus
Bacopa monnieri	Ficus opposita
Bertia oleifolia	Fimbristylis dichotoma
Bidens bipinnata	Glycine tomentella
Bothriochloa bladhii subsp. bladhii	Gnaphalium polycaulon
Bothriochloa decipiens var. decipiens	Gomphocarpus physocarpus
Brachiaria subquadripala	Goodenia fascicularis
Brachychiton populneus subsp. populneus	Gratiola pedunculata
	Halaragis aspera
	Heliotropium amplexicaule
	Heliotropium indicum
	Heteropogon contortus
	Imperata cylindrica
	Isachne globosa
	Juncus prismatocarpus

Juncus sp.	Tricoryne elatior
Juncus usitatus	Utricularia dichotoma
Leersia hexandra	Utricularia gibba
Lepidium bonariense	Verbena aristigera
Leptochloa digitata	Verbena litoralis
Leptochloa peacockii	Verbena officinalis
Livistona sp. (Taroom R.W.Johnson 2764)	Vetiveria filipes
Lomandra filiformis subsp. filiformis	Vittadinia pustulata
Lomandra longifolia	Wahlenbergia communis
Lophostemon suaveolens	Wahlenbergia gracilis
Lotus australis	Wahlenbergia tumidifructa
Lysiphylloum caronii	Xanthium spinosum
Maireana microphylla	
Malvastrum americanum	
Marsilea hirsuta	
Melaleuca linariifolia var. trichostachya	
Melinis repens	
Muehlenbeckia florulenta	
Oplismenus aemulus	
Opuntia stricta var. stricta	
Ottelia ovalifolia	
Oxalis perennans	
Panicum laevinode	
Panicum maximum var. trichoglume	
Paspalidium constrictum	
Paspalidium criniforme	
Paspalidium distans	
Paspalum dilatatum	
Persicaria decipiens	
Persicaria hydropiper	
Persicaria lapathifolia	
Phragmites australis	
Polygonum plebeium	
Potamogeton tricarinatus	
Ranunculus lappaceus	
Richardia brasiliensis	
Rorippa eustylos	
Rubus parvifolius	
Rumex brownii	
Sacciolepis indica	
Salvia plebeia	
Schoenoplectus mucronatus	
Schoenoplectus validus	
Sesbania cannabina var cannabina	
Sida rhombifolia	
Silybum marianum	
Soliva anthemifolia	
Sonchus oleraceus	
Sorghum leiocladum	
Stellaria angustifolia	
Swainsona galegifolia	
Tetragonia tetragonoides	
Thellungiella advena	
Themeda avenacea	
Themeda triandra	
	Map Unit 3 Tall woodland-Mid high Open forest of <i>Eucalyptus coolabah</i> (coolibah)
	Abutilon oxycarpum forma oxycarpum
	Acacia farnesiana
	Acacia harpophylla
	Acacia stenophylla
	Alternanthera denticulata
	Amaranthus viridis
	Aristida latifolia
	Asperula conferta
	Atriplex muelleri
	Boerhavia dominii
	Bothriochloa decipiens var. decipiens
	Brachyscome trachycarpa
	Brunoniella australis
	Calotis cuneata
	Calotis hispidula
	Cenchrus ciliaris
	Chamaesyce dallachiana
	Chenopodium pumilio
	Chloris divaricata
	Chloris ventricosa
	Ciclospermum leptophyllum
	Conyza bonariensis
	Cynodon dactylon var. dactylon
	Cyperus gracilis
	Cyperus iria
	Cyperus rotundus
	Dichanthium sericeum subsp. humilius
	Dichondra repens
	Einadia nutans subsp. nutans
	Eleocharis pusilla
	Enneapogon gracilis
	Enteropogon acicularis
	Eragrostis lacunaria
	Eremocitrus glauca
	Eremophila longifolia
	Eriochloa decumbens
	Eucalyptus camaldulensis

Eucalyptus coolabah
Euchiton sphaericus
Gaura parviflora
Geijera parviflora
Glycine tabacina
Gnaphalium polycaulon
Goodenia fascicularis
Grewia latifolia
Ixiolaena leptolepis
Jasminum didymum subsp. lineare
Leptochloa digitata
Lomandra multiflora subsp. multiflora
Lotus australis
Lysiphyllo caronii
Minuria integriflora
Muehlenbeckia florulenta
Neptunia gracilis
Nyssanthes diffusa
Oxalis perennans
Paspalidium caespitosum
Paspalidium disjunctum
Paspalidium distans
Paspalidium gracile
Phyla canescens
Phyllanthus maderaspatensis var.
maderaspatensis
Phyllanthus virgatus
Plantago cunninghamii
Plantago turrifera
Polymeria pusilla
Pseuderanthemum variabile
Rhodanthe polyphylla
Rhynchosia minima var. australis
Rostellularia adscendens var. adscendens
Rumex tenax
Salsola kali
Sclerolaena muricata var. muricata
Sclerolaena muricata var. villosa
Sclerolaena tetracuspis
Sida corrugata
Sida pleiantha
Sida rohlena
Sida spinosa
Sida trichopoda
Sisymbrium thellungii
Sporobolus caroli
Sporobolus mitchellii
Stackhousia muricata
Stellaria angustifolia
Tetragonia tetragonoides
Thellungia advena
Vetiveria filipes
Wahlenbergia gracilis

**Map Unit 4 Tall Open forest of
Callitris glauophylla (white cypress
pine)**

Acacia decora
Acacia excelsa
Acacia leiocalyx subsp. leiocalyx
Alstonia constricta
Aristida benthamii var. spinulifera
Aristida caput-medusae
Austrostipa verticillata
Boerhavia dominii
Boerhavia pubescens
Brennia oblongifolia
Callitris glauophylla
Calotis lappulacea
Canthium odoratum
Cenchrus ciliaris
Cheilanthes distans
Cheilanthes sieberi subsp. sieberi
Chenopodium carinatum
Chrysocephalum apiculatum
Commelina diffusa
Cymbopogon bombycinus
Cyperus gracilis
Digitaria divaricatissima
Digitaria longiflora
Einadia nutans subsp. nutans
Enneapogon lindleyanus
Epaltes australis
Epilobium hirtigerum
Eragrostis elongata
Eragrostis lacunaria
Eragrostis leptostachya
Eucalyptus melanophloia
Eucalyptus tessellaris
Euchiton sphaericus
Evolvulus alsinoides
Fimbristylis dichotoma
Geijera parviflora
Glycine tomentella
Gnaphalium polycaulon
Heteropogon contortus
Laxmannia compacta
Lomandra leucocephala
Melinis repens
Murdannia graminea
Nyssanthes diffusa
Oenothera indecora subsp. bonariensis
Oldenlandia mitrasacmoides subsp.
trachymenoides
Opuntia aurantiaca
Oxalis perennans
Perotis rara
Petalostigma pubescens

Plectranthus parviflorus
Podolepis longipedata
Polycarpaea corymbosa var. corymbosa
Portulaca pilosa subsp. pilosa
Pseuderanthemum variabile
Richardia brasiliensis
Rostellularia adscendens var. adscendens
Sida rohlenae
Tetragonia tetragonoides
Thellungia advena
Vernonia cinerea var. cinerea
Vittadinia cuneata var. hirsuta
Vittadinia dissecta var. hirta
Vittadinia pterochaeta

Map Unit 5 Tall Open forest-Mid high
Open forest-Mid high woodland of
Eucalyptus crebra (narrow-leaved
ironbark) and *Callitris glaucophylla*
(white cypress pine)

Abutilon oxycarpum forma oxycarpum
Acacia amblygona
Acacia caroleae
Acacia deanei subsp. deanei
Acacia harpophylla
Acacia juncifolia subsp. juncifolia
Acacia leiocalyx subsp. leiocalyx
Acacia sparsiflora
Alectryon diversifolius
Allocasuarina luehmannii
Alphitonia excelsa
Ancistrachne uncinulata
Angophora floribunda
Angophora leiocarpa
Apophyllum anomalum
Aristida calycina var. praealta
Aristida caput-medusae
Aristida leichhardtiana
Aristida lignosa
Aristida personata
Aristida queenslandica var. queenslandica
Aristida ramosa
Arundinella neplanensis
Atalaya hemiglaucha
Bertia oleifolia
Bracteantha bracteata
Brunoniella australis
Callitris glaucophylla
Calotis cuneifolia
Calotis dentex
Calyptochloa gracillima
Canthium coprosmoides
Canthium odoratum

Canthium vacciniifolium
Capparis lasiantha
Capparis mitchellii
Carissa ovata
Cassinia laevis
Cheilanthes distans
Cheilanthes sieberi subsp. sieberi
Chloris ventricosa
Chrysocephalum apiculatum
Cleistochloa subjuncea
Clerodendrum floribundum
Corymbia clarksoniana
Cryptandra sp. (Isla Gorge P.Sharpe 627)
Cymbopogon bombycinus
Cymbopogon refractus
Desmodium rhytidophyllum
Dianella brevipedunculata
Digitaria breviglumis
Digitaria brownii
Dodonea heteromorpha
Dodonea viscosa subsp. spatulata
Ehretia membranifolia
Einadia hastata
Enneapogon gracilis
Enneapogon lindleyanus
Enteropogon acicularis
Enteropogon ramosus
Eragrostis elongata
Eragrostis lacunaria
Eremophila debilis
Eremophila mitchellii
Eriochloa pseudoacrotricha
Erythroxylum sp. (Splityard Creek L.Pedley
5360)
Eucalyptus cambageana
Eucalyptus crebra
Eucalyptus melanophloia
Eucalyptus tessellaris
Euphorbia tannensis var. eremophila
Evolvulus alsinoides
Gahnia aspera
Geijera parviflora
Goodenia glabra
Goodenia grandiflora
Grevillea striata
Hakea fraseri
Halgania brachyrhyncha
Helichrysum collinum
Hibbertia sp.
Hibiscus sturtii
Hovea lanceolata
Hovea longipes
Hybanthus monopetalus
Jacksonia scoparia
Jasminum didymum subsp. lineare

Keraudrenia corollata
Leptochloa peacockii
Lomandra multiflora subsp. multiflora
Lophostemon suaveolens
Lysicarpus angustifolius
Malvastrum americanum
Maytenus cunninghamii
Notelaea microcarpa
Nyssanthes diffusa
Opuntia tomentosa
Ozothamnus diosmifolius
Panicum effusum var. effusum
Paspalidium gracile
Peripleura hispidula var. setosa
Petalostigma pubescens
Phyllanthus sp.
Prostanthera euphrasioides
Pseuderanthemum variabile
Rostellularia adscendens var. adscendens
Santalum lanceolatum
Scleria mackaviensis
Scleria sphacelata
Senecio quadridentatus
Senna artemisioides subsp. zygophylla
Sida corrugata
Sida filiformis
Solanum ellipticum
Spartothamnella puberula
Stackhousia muricata
Thellungia advena
Themeda triandra
Thyridolepis xerophila
Triodia mitchellii var. mitchellii
Vittadinia cuneata var. hirsuta
Wahlenbergia tumidifructa

Map Unit 6 Tall woodland- Mid high
Open forest of *Acacia harpophylla*
(brigalow), vine thicket and *Eucalyptus*
spp.

Abutilon fraseri
Abutilon oxycarpum forma acutatum
Acacia excelsa
Acacia fasciculifera
Acacia harpophylla
Acacia longispicata
Acalypha eremorum
Achyranthes aspera
Alectryon connatus
Alectryon diversifolius
Alstonia constricta
Ancistrachne uncinulata
Apophyllum anomalum
Aristida calycina var. praealta
Aristida caput-medusae
Aristida gracilipes
Aristida lignosa
Atalaya hemiglaucha
Atalaya salicifolia
Bothriochloa decipiens var. decipiens
Brachychiton australis
Brachychiton rupestris
Bracteantha bracteata
Brenya oblongifolia
Brunoniella australis
Bursaria incana var. incana
Callitris glaucophylla
Calyptochloa gracillima
Canthium coprosmoides
Canthium odoratum
Canthium sp. (Berrigurra Station E.R.Anderson
2829)
Canthium vacciniifolium
Capparis canescens
Capparis loranthifolia var. bancroftii
Carissa ovata
Cassine australis var. angustifolia
Cheilanthes distans
Chenopodium carinatum
Chloris ventricosa
Cissus opaca
Citriobatus spinescens
Conyza bonariensis
Croton insularis
Croton phebaloides
Cymbopogon refractus
Diospyros humilis
Ehretia membranifolia
Enneapogon gracilis

Enneapogon lindleyanus
Enteropogon unispiceus
Eragrostis lacunaria
Eremophila mitchellii
Eriochloa pseudoacrotricha
Erythroxylum sp. (Splityard Creek L.Pedley 5360)
Eucalyptus cambageana
Eucalyptus crebra
Evolvulus alsinoides
Flindersia australis
Geijera parviflora
Grevillea robusta
Grevillea striata
Hakea fraseri
Helichrysum collinum
Hibiscus sturtii
Hovea longipes
Hybanthus monopetalus
Jacquemontia paniculata
Laxmannia compacta
Leptochloa peacockii
Lomandra confertifolia subsp. pallida
Lysiphylgium caronii
Malvastrum americanum
Maytenus cunninghamii
Melhania oblongifolia
Melicope erythrococca
Nyssanthes diffusa
Opuntia aurantiaca
Opuntia stricta var. stricta
Opuntia tomentosa
Owenia venosa
Oxalis perennans
Paspalidium distans
Paspalidium gracile
Phyllanthus gasstroemii
Planchonella cotinifolia var. pubescens
Pterocaulon redolens
Sarcostemma viminalis subsp. brunonianum
Secamone elliptica
Senna artemisioides subsp. zygophylla
Sida filiformis
Solanum ellipticum
Solanum semiarmatum
Thellungia advena
Tragus australianus
Vittadinia pustulata

Map Unit 7 Tall Open forest-Mid high woodland of *Eucalyptus populnea* (poplar box)

Abutilon oxycarpum forma oxycarpum
Alectryon diversifolius
Amyema congener subsp. congener
Aristida calycina var. calycina
Aristida calycina var. praealta
Aristida personata
Bothriochloa decipiens var. decipiens
Brachiaria eruciformis
Brachiaria subquadripala
Calotis cuneata
Calyptochloa gracillima
Cenchrus ciliaris
Chamaesyce dallachiana
Chenopodium carinatum
Chenopodium desertorum subsp. anidiophyllum
Chloris ventricosa
Cymbopogon refractus
Cynoglossum australe var. australe
Cyperus gracilis
Denhamia oleaster
Desmodium varians
Dichanthium sericeum subsp. humilius
Digitaria brownii
Dodonea viscosa subsp. spatulata
Einadia nutans subsp. linifolia
Enneapogon gracilis
Enteropogon acicularis
Enteropogon ramosus
Epilobium hirtigerum
Eragrostis elongata
Eragrostis lacunaria
Eragrostis leptostachya
Eremophila mitchellii
Eriochloa decumbens
Erodium crinitum
Eucalyptus populnea
Euchiton sphaericus
Eulalia aurea
Geijera parviflora
Glossocardia bidens
Gomphrena celosioides
Heteropogon contortus
Hibiscus trionum
Hypochaeris glabra
Indigofera linnaei
Lepidium africanum
Lepidium bonariense
Macfadyena unguis-cati
Malvastrum americanum
Malvastrum coromandelianum
Melinis repens

<i>Nyssanthes diffusa</i>	<i>Arundinella neplanensis</i>
<i>Opuntia stricta</i> var. <i>stricta</i>	<i>Atalaya hemiglaucha</i>
<i>Opuntia tomentosa</i>	<i>Atalaya salicifolia</i>
<i>Panicum effusum</i> var. <i>effusum</i>	<i>Austrostipa verticillata</i>
<i>Paspalidium criniforme</i>	<i>Boerhavia dominii</i>
<i>Paspalidium distans</i>	<i>Bothriochloa decipiens</i> var. <i>decipiens</i>
<i>Paspalidium gracile</i>	<i>Brachiaria foliosa</i>
<i>Pimelea trichostachya</i>	<i>Brachychiton rupestris</i>
<i>Ptilotus exaltatus</i> var. <i>semilanatus</i>	<i>Brunoniella australis</i>
<i>Ptilotus macrocephalus</i>	<i>Callitris glauophylla</i>
<i>Rhynchosia minima</i> var. <i>australis</i>	<i>Calyptochloa gracillima</i>
<i>Rostellularia adscendens</i> var. <i>adscendens</i>	<i>Canthium oleifolium</i>
<i>Senecio lautus</i> subsp. <i>dissectifolius</i>	<i>Canthium sp.</i> (Berrigurra Station E.R.Anderson 2829)
<i>Senna barclayana</i>	<i>Capparis lasiantha</i>
<i>Sida corrugata</i>	<i>Capparis mitchellii</i>
<i>Sida pleiantha</i>	<i>Carissa ovata</i>
<i>Sida subspicata</i>	<i>Cassia tomentella</i>
<i>Sisymbrium thellungii</i>	<i>Cassine australis</i> var. <i>angustifolia</i>
<i>Soliva anthemifolia</i>	<i>Cenchrus ciliaris</i>
<i>Sporobolus caroli</i>	<i>Chamaesyce dallachiana</i>
<i>Stackhousia muricata</i>	<i>Cheilanthes distans</i>
<i>Swainsona oroboides</i>	<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>
<i>Thellungia advena</i>	<i>Chloris ventricosa</i>
<i>Themeda avenacea</i>	<i>Cissus opaca</i>
<i>Trianthema triquetra</i>	<i>Cleistochloa subjuncea</i>
<i>Verbena aristigera</i>	<i>Corymbia clarkeana</i>
<i>Verbena officinalis</i>	<i>Crassula sieberiana</i>
<i>Verbesina encelioides</i>	<i>Cymbopogon refractus</i>
<i>Zinnia peruviana</i>	<i>Cyperus gracilis</i>
<i>Zornia muriculata</i> subsp. <i>angustata</i>	<i>Denhamia oleaster</i>

Map Unit 8 Tall woodland-Mid high
Open forest-Mid high woodland of
mixed *Eucalyptus* spp

<i>Abutilon fraseri</i>
<i>Abutilon oxycarpum</i> forma <i>acutatum</i>
<i>Abutilon oxycarpum</i> forma <i>oxyacarpum</i>
<i>Acacia caroleae</i>
<i>Acacia conferta</i>
<i>Acacia decora</i>
<i>Acacia excelsa</i>
<i>Acacia harpophylla</i>
<i>Acacia macradenia</i>
<i>Acacia rhodoxylon</i>
<i>Achyranthes aspera</i>
<i>Alphitonia excelsa</i>
<i>Alstonia constricta</i>
<i>Ancistrachne uncinulata</i>
<i>Apophyllum anomalum</i>
<i>Aristida calycina</i> var. <i>praealta</i>
<i>Aristida caput-medusae</i>
<i>Aristida gracilipes</i>
<i>Aristida queenslandica</i> var. <i>dissimilis</i>

<i>Arundinella neplanensis</i>
<i>Atalaya hemiglaucha</i>
<i>Atalaya salicifolia</i>
<i>Austrostipa verticillata</i>
<i>Boerhavia dominii</i>
<i>Bothriochloa decipiens</i> var. <i>decipiens</i>
<i>Brachiaria foliosa</i>
<i>Brachychiton rupestris</i>
<i>Brunoniella australis</i>
<i>Callitris glauophylla</i>
<i>Calyptochloa gracillima</i>
<i>Canthium oleifolium</i>
<i>Canthium sp.</i> (Berrigurra Station E.R.Anderson 2829)
<i>Capparis lasiantha</i>
<i>Capparis mitchellii</i>
<i>Carissa ovata</i>
<i>Cassia tomentella</i>
<i>Cassine australis</i> var. <i>angustifolia</i>
<i>Cenchrus ciliaris</i>
<i>Chamaesyce dallachiana</i>
<i>Cheilanthes distans</i>
<i>Cheilanthes sieberi</i> subsp. <i>sieberi</i>
<i>Chloris ventricosa</i>
<i>Cissus opaca</i>
<i>Cleistochloa subjuncea</i>
<i>Corymbia clarkeana</i>
<i>Crassula sieberiana</i>
<i>Cymbopogon refractus</i>
<i>Cyperus gracilis</i>
<i>Denhamia oleaster</i>
<i>Denhamia pittosporoides</i>
<i>Digitaria breviglumis</i>
<i>Digitaria brownii</i>
<i>Einadia nutans</i> subsp. <i>nutans</i>
<i>Enneapogon lindleyanus</i>
<i>Enteropogon acicularis</i>
<i>Enteropogon unispiceus</i>
<i>Eragrostis lacunaria</i>
<i>Eragrostis longipedicellata</i>
<i>Eremophila mitchellii</i>
<i>Erythrina vespertilio</i>
<i>Eucalyptus cambageana</i>
<i>Eucalyptus crebra</i>
<i>Eucalyptus populnea</i>
<i>Eucalyptus tenuipes</i>
<i>Evolvulus alsinoides</i>
<i>Geijera parviflora</i>
<i>Goodenia glabra</i>
<i>Grewia latifolia</i>
<i>Hakea fraseri</i>
<i>Hibiscus sturtii</i>
<i>Hovea longipes</i>
<i>Indigofera</i> sp.
<i>Jasminum didymum</i> subsp. <i>lineare</i>

Jasminum simplicifolium subsp. *australiense*
Keraudrenia corollata
Leptospermum neglectum
Lomandra filiformis subsp. *filiformis*
Lysicarpus angustifolius
Lysiphyllo *carronii*
Maireana microphylla
Malvastrum americanum
Melhania oblongifolia
Melichrus urceolatus
Melinis repens
Nyssanthes diffusa
Opuntia tomentosa
Owenia venosa
Pandorea pandorana
Panicum effusum var. *effusum*
Panicum maximum var. *trichoglume*
Parsonia eucalyptophylla
Parsonia lanceolata
Paspalidium distans
Paspalidium gracile
Petalostigma pubescens
Podolepis longipedata
Polymeria calycina
Portulaca bicolor
Pseuderanthemum variabile
Santalum lanceolatum
Schoenus kennyi
Scleria sphacelata
Sclerolaena birchii
Setaria surgens
Sida filiformis
Sida subspicata
Solanum ellipticum
Solanum parvifolium
Spartothamnella juncea
Spermacoce multicaulis
Sporobolus caroli
Sporobolus mitchellii
Thellungi *advena*
Thyridolepis xerophila
Tragus australianus
Triodia mitchellii var. *mitchellii*
Vernonia cinerea var. *cinerea*
Vetiveria filipes
Wahlenbergia tumidifructa
Zaleya galericulata subsp. *galericulata*

Map Unit 9a Tall Open forest of Vine thicket

Abutilon oxycarpum forma *acutatum*
Abutilon oxycarpum forma *oxyacarpum*
Acacia fasciculifera
Acalypha eremorum
Achyranthes aspera
Alectryon connatus
Alectryon diversifolius
Amaranthus graecizans subsp. *sylvestris*
Ancistrachne uncinulata
Apophyllum anomalum
Atalaya salicifolia
Austrostipa verticillata
Brachiaria foliosa
Brachychiton rupestris
Calyptochloa gracillima
Canthium vacciniifolium
Capparis lasiantha
Capparis mitchellii
Carissa ovata
Cassia tomentella
Cassine australis var. *angustifolia*
Casuarina cristata
Cenchrus ciliaris
Cheilanthes distans
Chenopodium carinatum
Chloris ventricosa
Cissus opaca
Citriobatus spinescens
Croton insularis
Croton phebaloides
Cyperus gracilis
Denhamia oleaster
Diospyros humilis
Einadia nutans subsp. *nutans*
Euchiton sphaericus
Exocarpos latifolius
Geijera parviflora
Hibiscus sturtii
Lysiphyllo *carronii*
Maireana microphylla
Notelaea microcarpa
Olearia canescens
Opuntia stricta var. *stricta*
Owenia venosa
Oxalis perennans
Parsonia lanceolata
Paspalidium gracile
Pittosporum rhombifolium
Planchonella cotinifolia var. *pubescens*
Portulaca oleracea
Setaria dielsii
Solanum americanum

Spartothamnella juncea
Tragus australianus
Tribulus micrococcus

Map Unit 9b Tall woodland of
Brachychiton rupestris (narrow-leaved
bottle tree)

Abutilon oxycarpum forma acutatum
Acacia fasciculifera
Acacia harpophylla
Acalypha eremorum
Alectryon diversifolius
Alstonia constricta
Ancistrachne uncinulata
Apophyllum anomalum
Austromyrtus bidwillii
Austrostipa verticillata
Brachychiton rupestris
Breynia oblongifolia
Bursaria incana var. *incana*
Calyptochloa gracillima
Canthium sp. (Berrigurra Station E.R.Anderson
2829)
Canthium vacciniifolium
Capparis lasiantha
Carissa ovata
Cenchrus ciliaris
Chloris ventricosa
Cissus opaca
Citriobatus spinescens
Croton insularis
Cyperus gracilis
Digitaria brownii
Diospyros humilis
Ehretia membranifolia
Einadia nutans subsp. *linifolia*
Einadia nutans subsp. *nutans*
Enneapogon gracilis
Eremophila mitchellii
Erythroxylum sp. (Splityard Creek L.Pedley
5360)
Excoecaria dallachiana
Geijera parviflora
Jasminum didymum subsp. *lineare*
Lepidium bonariense
Leptochloa ciliolata
Lysiphylgium caronii
Maireana microphylla
Malvastrum americanum
Nyssanthes diffusa
Opuntia aurantiaca
Opuntia tomentosa
Parsonsia lanceolata

Paspalidium criniforme
Planchonella cotinifolia var. *pubescens*
Plectranthus parviflorus
Portulaca oleracea
Portulaca pilosa subsp. *pilosa*
Rostellularia adscendens var. *adscendens*
Salsola kali
Solanum americanum
Solanum parvifolium
Sporobolus caroli
Tetragonia tetragonoides
Thellungia advena
Zygophyllum apiculatum

Map Unit 10 Tall woodland of
Casuarina cristata (belah)

Acacia excelsa
Alectryon diversifolius
Ancistrachne uncinulata
Aristida personata
Atalaya salicifolia
Calyptochloa gracillima
Canthium sp. (Berrigurra Station E.R.Anderson
2829)
Canthium vacciniifolium
Capparis lasiantha
Carissa ovata
Cassine australis var. *angustifolia*
Casuarina cristata
Cenchrus ciliaris
Cissus opaca
Cymbidium canaliculatum
Denhamia oleaster
Enchytraea tomentosa
Enneapogon lindleyanus
Enteropogon acicularis
Eremocitrus glauca
Eremophila mitchellii
Eriochloa decumbens
Eucalyptus populnea
Eremophila mitchellii
Jasminum didymum subsp. *lineare*
Lysiphylgium caronii
Maireana microphylla
Nyssanthes diffusa
Parsonsia eucalyptophylla
Paspalidium distans
Paspalidium gracile
Planchonella cotinifolia var. *pubescens*
Solanum parvifolium
Sporobolus caroli
Sporobolus coromandelianus

**Map Unit 11 Mid high Open forest-
Mid high woodland of *Acacia
rhodoxylon* (rosewood)**

Abutilon oxycarpum forma oxycarpum
Acacia rhodoxylon
Alphitonia excelsa
Alstonia constricta
Amyema quandang var. bancroftii
Aristida calycina var. praealta
Aristida caput-medusae
Atalaya salicifolia
Bertya pedicellata
Capparis lasiantha
Capparis mitchellii
Carissa ovata
Cenchrus ciliaris
Chenopodium carinatum
Cissus opaca
Claoxylon tenerifolium
Cleistochloa subjuncea
Clerodendrum floribundum
Commelina diffusa
Croton phebaloides
Cyperus rigidellus
Desmodium brachypodium
Digitaria breviglumis
Dysphania glomulifera subsp. glomulifera
Erythroxylum sp. (Splityard Creek L.Pedley
5360)
Eucalyptus crebra
Eucalyptus exserta
Euphorbia tannensis var. eremophila
Flindersia australis
Gahnia aspera
Hibiscus sturtii
Isotoma axillaris
Lepidium bonariense
Lomandra confertifolia subsp. pallida
Lomandra multiflora subsp. multiflora
Maireana microphylla
Marsdenia microlepis
Owenia venosa
Oxalis perennans
Pandorea pandorana
Panicum maximum var. trichoglume
Paspalidium criniforme
Paspalidium gracile
Pimelea latifolia
Sarcostemma viminale subsp. brunonianum
Scleria sphacelata
Senna sophera var. (40Mile Scrub J.R.Clarkson+
6908)
Setaria dielsii
Sida filiformis

Sida rohlenae
Sida subspicata
Solanum ellipticum
Triodia pungens var. pungens
Turraea pubescens

**Map Unit 12 Mid high Open forest-
Mid high woodland of *Acacia
rhodoxylon* (rosewood), *Acacia shirleyi*
(lancewood) and *Acacia harpophylla*
(brigalow)**

Abutilon oxycarpum forma oxycarpum
Acacia harpophylla
Acacia rhodoxylon
Acacia shirleyi
Alstonia constricta
Ancistrachne uncinulata
Aristida caput-medusae
Brenya oblongifolia
Brunoniella australis
Calyptochloa gracillima
Canthium odoratum
Canthium vacciniifolium
Capparis loranthifolia var. bancroftii
Carissa ovata
Cenchrus ciliaris
Cheilanthes sieberi subsp. sieberi
Cissus opaca
Cleistochloa subjuncea
Dianella caerulea var. vannata
Diospyros humilis
Dodonaea viscosa subsp. spatulata
Einadia trigonos subsp. stellulata
Enneapogon lindleyanus
Enteropogon unispiceus
Eragrostis lacunaria
Eragrostis longipedicellata
Eremophila mitchellii
Erythroxylum sp. (Splityard Creek L.Pedley
5360)
Eucalyptus cambageana
Evolvulus alsinoides
Flindersia australis
Flindersia collina
Geijera parviflora
Hakea fraseri
Hibiscus sturtii
Hovea longipes
Indigofera sp.
Jasminum didymum subsp. lineare
Leptochloa peacockii
Lomandra multiflora subsp. multiflora
Marsdenia microlepis

Maytenus cunninghamii
Notelaea microcarpa
Olearia canescens
Opuntia aurantiaca
Opuntia stricta var. *stricta*
Owenia venosa
Oxalis perennans
Paspalidium gracile
Pseuderanthemum variabile
Rutidosis crispata
Santalum lanceolatum
Senna artemisioides subsp. *zygophylla*
Setaria dielsii
Sida glomerata
Spartothamnella juncea
Themeda triandra
Thyridolepis xerophila

APPENDIX 4

WEEDS AND INTRODUCED SPECIES LIST

Species	Common name
<i>Acacia farnesiana</i> (L.) Willd.	mimosa bush
<i>Achyranthes aspera</i> L.	chaff flower
<i>Amaranthus graecizans</i> subsp. <i>sylvestris</i> (Vill.) Asch.	
<i>Amaranthus viridis</i> L.	green amaranth
<i>Argemone ochroleuca</i> Sweet subsp. <i>ochroleuca</i>	
<i>Aster subulatus</i> Michx.	wild aster
<i>Baccharis halimifolia</i> L.	groundsel bush
<i>Bidens bipinnata</i> L.	bipinnate beggar's ticks
<i>Brachiaria eruciformis</i> (Sm.) Griseb.	
<i>Cenchrus ciliaris</i> L.	buffel grass
<i>Centaurea melitensis</i> L.	Maltese cockspur
<i>Centaurium erythraea</i> Rafn.	common centaury
<i>Chenopodium ambrosioides</i> L.	Mexican tea
<i>Chloris gayana</i> Kunth	rhodes grass
<i>Ciclospermum leptophyllum</i> (Pers.) Sprague	slender celery
<i>Cirsium vulgare</i> (Sav.) Ten.	spear thistle
<i>Conyza bonariensis</i> (L.) Cronq.	flaxleaf fleabane
<i>Coronopus didymus</i> (L.) Smith	lesser swine-cress
<i>Crotalaria incana</i> L. subsp. <i>incana</i>	woolly rattlepod
<i>Cuscuta campestris</i> Yunck.	dodder
<i>Cyperus rotundus</i> L.	nutgrass
<i>Datura ferox</i> L.	fierce thornapple
<i>Echinochloa crusgalli</i> (L.) P. Beauv.	barnyard grass
<i>Fallopia convolvulus</i> (L.) A. Love	
<i>Gaura parviflora</i> Douglas	clockweed
<i>Gomphocarpus physocarpus</i> E. Mey.	balloon cotton bush
<i>Gomphrena celosioides</i> Mart.	soft khakiweed
<i>Heliotropium amplexicaule</i> Vahl	blue heliotrope
<i>Heliotropium indicum</i> L.	
<i>Hypochoeris glabra</i> L.	smooth catsear
<i>Lepidium africanum</i> (N. Burm.) DC.	common peppercress
<i>Lepidium bonariense</i> L.	Argentine peppercress
<i>Ludwigia peploides</i> subsp. <i>montevidensis</i> (Spreng.) P.H. Raven	
<i>Macfadyena unguis-cati</i> (L.) A.H. Gentry	cat's claw
<i>Macroptilium lathyroides</i> (L.) Urb.	phasey bean
<i>Malva parviflora</i> L.	marshmallow
<i>Malvastrum americanum</i> (L.) Torr.	spiked malvastrum
<i>Malvastrum coromandelianum</i> (L.) Garcke	prickly malvastrum
<i>Medicago polymorpha</i> L.	
<i>Melilotus indicus</i> (L.) All.	hexham scent
<i>Melinis repens</i> (Willd.) Zizka	red Natal grass
<i>Oenothera indecora</i> subsp. <i>bonariensis</i> W. Dietr.	small flower evening primrose

Species	Common name
<i>Opuntia aurantiaca</i> Lindl.	tiger pear
<i>Opuntia stricta</i> (Haw.) Haw. var. <i>stricta</i>	prickly pear
<i>Opuntia tormentosa</i> Salm-Dyck	velvety tree pear
<i>Panicum maximum</i> var. <i>trichoglume</i> Eyles ex Robyns	green panic
<i>Paspalum dilatatum</i> Poir.	paspalum
<i>Physalis lanceifolia</i> Nees	Mexican clover
<i>Richardia brasiliensis</i> Gomes	weeping willow
<i>Salix babylonica</i> L.	soft roly-poly
<i>Salsola kali</i> L.	mintweed
<i>Salvia reflexa</i> Hornem.	variegated thistle
<i>Silybum marianum</i> (L.) Gaertn.	African turnip-weed
<i>Sisymbrium thellungi</i> O.E. Schulz	dwarf jo jo weed
<i>Soliva anthemifolia</i> (Juss.) R. Br. ex Less.	common sowthistle
<i>Sonchus oleraceus</i> L.	
<i>Sporobolus coromandelianus</i> (Retz.) Kunth	sabi grass
<i>Urochloa mosambicensis</i> (Hack.) Dandy	Mayne's pest
<i>Verbena aristigera</i> S.Moore	verbena
<i>Verbena litoralis</i> Kunth	wild sunflower
<i>Verbesina encelioides</i> (Cav.) Benth. & Hook.f. ex A. Gray	Bathurst burr
<i>Xanthium spinosum</i> L.	wild zinnia
<i>Zinnia peruviana</i> (L.) L.	

APPENDIX 5

MISCELLANEOUS - OTHER LOCATIONS

Note: The following additional species were observed during the course of field work but were not recorded in any of the sites. They were generally observed in disturbed areas.

<i>Azolla pinnata</i>	aquatic
<i>Chara sp.</i>	aquatic
<i>Chloris gayana</i>	roadside
<i>Datura ferox</i>	paddock
<i>Daucus glochidiatus</i>	paddock
<i>Eclipta prostrata</i>	bore
<i>Epilobium hirtigerum</i>	bore
<i>Fallopia convolvulus</i>	paddock
<i>Lemna trisulca</i>	aquatic
<i>Ludwigia octovalvis</i>	aquatic
<i>Ludwigia peploides</i> subsp. <i>montevidensis</i>	bore
<i>Malva parviflora</i>	paddock
<i>Nicotiana megalosiphon</i> subsp. <i>megalosiphon</i>	paddock
<i>Salvia reflexa</i>	paddock
<i>Solanum esuriale</i>	paddock

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SUMMARY

This report presents the results of the investigation of the distribution of *Rutidosis crispata* within the vicinity of the Dawson Dam Proposal. A few sites within the Isla Gorge National Park were also examined. A total of 441 plants of *Rutidosis crispata* were recorded from eleven sites. Ten of the sites were located within the vicinity of the proposed dam area with one site located in Isla Gorge National Park. The population in the National Park consisted of 29 individuals which is approximately 7% of the known population. Approximately 56 % (250 individuals) of the total observed population was located at one site (site 2) within the surrounds of the proposed dam. Two of the ten sites (sites 6 & 7) within the vicinity of the proposed dam site occur within the 183.5 FSL level and the other site (site 3) is approximately within 30 m of the 183.5 m level. Sites 6 and 7 contain approximately 6 % and site 3 approximately 13 % of the known population of *Rutidosis crispata*.

Rutidosis crispata is more widespread than previously thought with a total range of 70 km and an extent of occurrence of approximately 700 km². Although the species appears to have specific habitat requirements, these do not appear to be unique or unusual. Other habitats are likely to be found for the species within its currently known 70 km range including the northern end of Precipice National Park, Mt Glebe, Morang Hill, and other hills between Isla Gorge and the Taroom locality which retain pre-European vegetation cover. However, the conservation coding of Rare is still considered to be appropriate.

INTRODUCTION

The 1996 report on the flora of the proposed dam site on the Dawson River recorded the native daisy *Rutidosis crispata* (synonym *Rutidosis* sp. (Theodore P.I.Forster PIF2639)) within the envelope surrounding the impoundment area but not within the impoundment area. *Rutidosis crispata* was considered of particular conservation concern as it is listed as Rare in Schedule 4 of the Nature Conservation (Wildlife) Regulation 1994 to the Queensland *Nature Conservation Act 1992*.

It was recommended that the extent of its occurrence in the area be investigated. The report also recorded *Cryptandra* sp. (Isla Gorge P.Sharpe 627) from within the envelope surrounding of the impoundment area. This is only the third known collection of this species.

Field work has been undertaken to:

- investigate the distribution of *Rutidosis crispata* in the vicinity of the proposed Dawson River Dam
- determine whether *Rutidosis crispata* is present within Isla Gorge National Park
- determine whether *Cryptandra* sp. (Isla Gorge P.Sharpe 627) is still present in Isla Gorge National Park

SPECIES BACKGROUND

Rutidosis crispata

This species was first collected in 1986 and subsequently formerly named in 1994 (Holland 1994). Prior to its collection from the proposed Dawson Dam site in 1996, this species was only known from the single locality at Glenmoral Gap on the Dawson Range west of Theodore. It was

observed growing on a ridge top in shallow sandy soil on sandstone, in open eucalypt forest dominated by *Eucalyptus suffulgens*, *Eucalyptus tenuipes* and *Corymbia trachyphloia* with an understorey of *Triodia* sp.

The site near the Dawson River recorded in 1996 is on a slope of a low hill (220 m alt.) in sandy loam soil on sandstone, in open forest dominated by *Eucalyptus cambageana*, *Acacia shirleyi* and *Acacia rhodoxylon* with a sparse to moderately dense ground cover of annual and perennial grasses.

***Cryptandra* sp. (Isla Gorge P.Sharpe 627)**

Cryptandra sp. (Isla Gorge P.Sharpe 627) was first collected in August 1973 from Isla Gorge, approximately 36 km NW from the proposed dam site. It was observed growing on a bank in an open eucalypt forest. It has recently been recorded from Precipice National Park. This species has not been formally named.

METHODS

Four and half days of field work were undertaken in August 1997. Three and half days were spent within the vicinity of the proposed dam site and one day in Isla Gorge National Park.

Firstly, an examination of the site where *Rutidosis crispata* was observed in October 1996 was undertaken. The area between this known site and the Dawson River was then examined by traversing the area on foot. Further searches were based on information gathered from the initial searches. Topographic maps (1:100 000), aerial photo-mosaics and the vegetation map of the area were examined to find areas of similar landform and vegetation. The selection of areas to be searched in Isla Gorge was based on information gleaned from the field work and assisted by discussions with the National Parks Ranger (Mr F. Carter) at Taroom.

The position of each population of *Rutidosis crispata* was recorded using a Garmin 45XL Geographical Positioning System (GPS) with external antenna. The GPS reading for each population was taken at the lowest topographical point for that population. The slope and aspect of the land surface was measured using a clinometer and compass respectively. A sample of the top 10 cm of the soil profile was collected from each site and analysed for texture (McDonald *et al.* 1990) and colour (Oyama & Takehara 1970). A general vegetation description was given for each site. The botanical names used follow Henderson 1997. Other general notes were also recorded. Herbarium specimens of *Rutidosis crispata* were collected from sites where a reasonable specimen could be obtained (sites 2, 6, 10 & 11). The specimens have been lodged with the Queensland Herbarium.

Digital contour data for a Full Storage Level (FSL) of 183.5 m was supplied by the Department of Natural Resources. These data were imported into MAPINFO and intersected with the GPS point locations for the *Rutidosis crispata* populations. This information was used to assess whether the populations were within the impoundment area of the proposed dam at a Full Supply Level of 183.5 m EL. This assessment is based on the following assumptions:

- That the GPS readings are accurate. Some allowance has been made for inherent error of the GPS readings by placing a buffer with a 20 m radius around each point location.
- That the digital contour data for the FSL are accurate.

The locality information on the label of the specimen of *Cryptandra* sp. (Isla Gorge P.Sharpe 627) collected from Isla Gorge was of little value in accurately re-locating the original site. Discussions with the collector (Mr P. Sharpe) indicated the likely area of the National Park where the collection was made in 1973 while on a Queensland Naturalist expedition of the Gorge. This area occurred on the western edge of the park, north-west of Hewitt's Creek. This area was traversed on foot.

RESULTS & DISCUSSION

Rutidosis crispata

A total of 11 sites of *Rutidosis crispata* were recorded (Appendix 1) with a total population of 441 individuals observed (Table 1)(Figure 1). This does not include the population at the type locality whose size is currently unknown. *Rutidosis crispata* is more widespread than previously thought with a total range of approximately 70 km and an extent of occurrence⁵ of approximately 700 km². However, the conservation coding of Rare is still considered to be appropriate.

Table 1. Abundance of *Rutidosis crispata* at observed sites.

Site	Abundance	% of known population	Area examined (m)	Land tenure
1	18	4.1	100 x 50	Freehold
2	250	56.7	100 x 100	Freehold
3	57	12.9	250 x 10	Freehold
4	2	0.5	100 x 100	Freehold
5	6	1.4	200 x 100	Freehold
6	12	2.7	150 x 60	Freehold
7	14	3.2	100 x 300	Freehold
8	9	2.0	100 x 10	Freehold
9	34	7.7	100 x 300	Freehold
10	10	2.3	20 x 200	Freehold
11	29	6.6	100 x 150	National Park
	Total 441	100.0		

All sites were relatively undisturbed except for site 5 which has been mostly cleared for pastoral development. One population of 29 individuals was observed within Isla Gorge National Park which is approximately 7% of the known population.

Approximately 56 % (250 individuals) of the total observed population was located at Site 2, about 150 metres from the storage perimeter. Of the ten sites within the vicinity of the proposed dam, seven (sites 1, 2, 4, 5, 8, 9, & 10) are clearly above the FSL 183.5 m (Figure 1). This accounts for 80% (329 plants) of the known population within the vicinity of the proposed dam site. Two of the ten sites (sites 6 & 7) occur within the 183.5 FSL level and the other site (site 3) is approximately within 30 m of the 183.5 m level. Sites 6 and 7 contain approximately 6 % and site 3 approximately 13 % of the known population of *Rutidosis crispata*.

⁵ Extent of occurrence is defined as "the area contained within the shortest continuous imaginary boundary which can be drawn to encompass all the known, inferred or projected sites of the present occurrence of a taxon, excluding cases of vagrancy" (IUCN 1994).

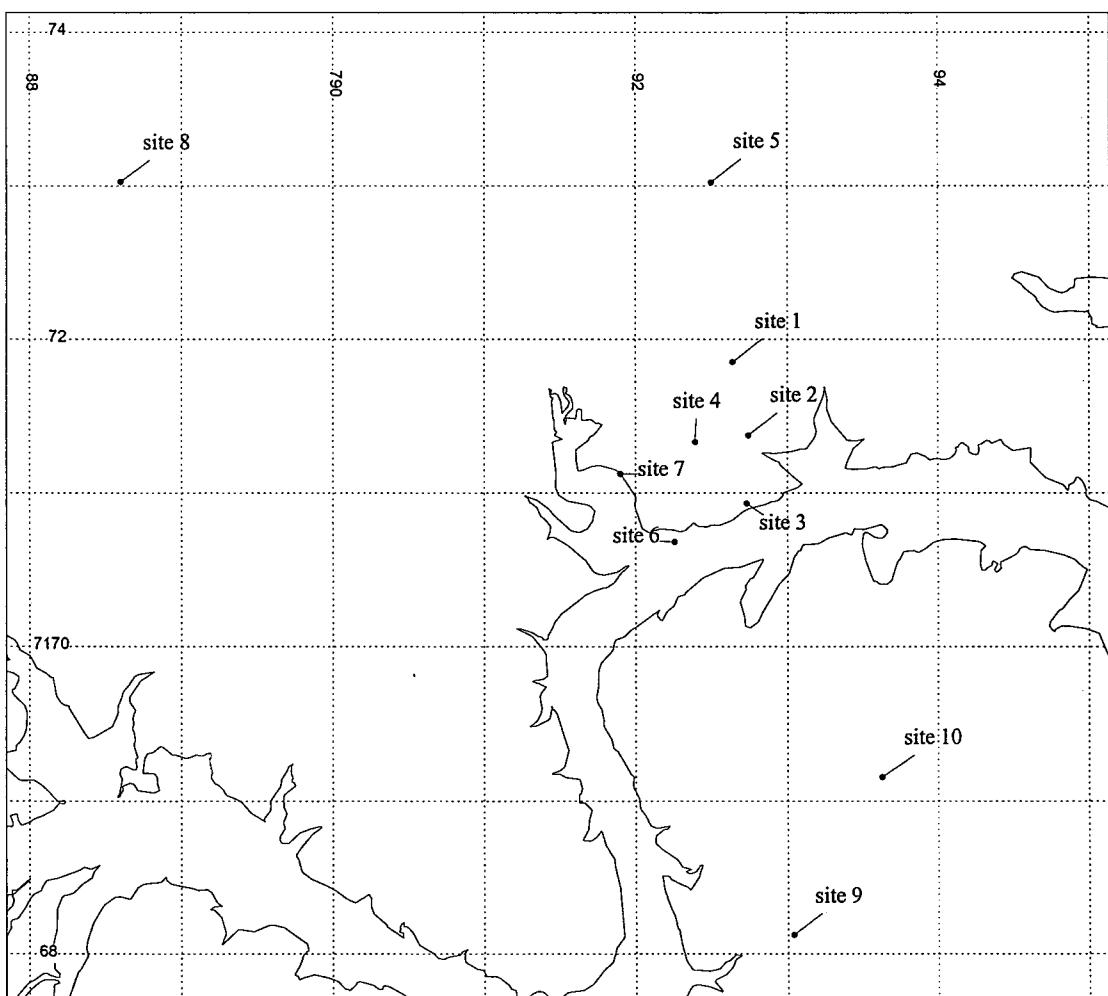
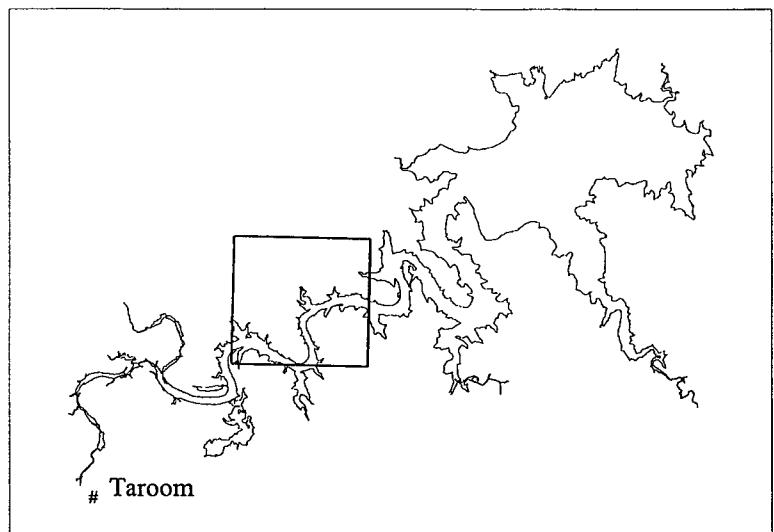


Figure 1. Locality map showing the location of *Rutidosis crispata* populations and the 183.5 full supply level of the proposed Dawson Dam

Although it appears to have specific habitat requirements they do not appear to be unique or unusual. The habitat is characterised by gentle to steep hill slopes with a southerly aspect. The generally shallow soils are derived from sandstones and are of fine sandy loam to silt loam texture. The tallest vegetation layer consists of an open forests with *Eucalyptus crebra* as the dominant tree species in the majority of sites (sites 2,3,4,6,7,9 & 10). Another frequent canopy species is *Acacia rhodoxylon*. A sparse to mid dense small tree or shrub layer is commonly present with *Hovea longipes*, *Canthium* sp. (Berrigurra Station E.R.Anderson 2829), *Geijera parviflora*, *Acacia decora* and *Notelaea microcarpa* being the most frequently observed species. A sparse to mid dense ground layer is predominantly grasses, with *Aristida caput-medusae*, *Calyptochloa gracillima*, *Cleistochloa subjuncea*, *Leptochloa peacockii* and *Paspalidium gracile* being the most frequent species. The low shrub *Carissa ovata* is also frequent in the ground layer at these sites.

With the extra information obtained from this investigation other habitats are likely to be found through its 70 km range. Areas which were identified as likely habitats but which were not searched due to time constraints include:

- the northern end of Precipice National Park,
- Mt Glebe,
- Morang Hill,
- other hills between Isla Gorge and the Taroom locality which retain pre-European vegetation cover.

***Cryptandra* sp. (Isla Gorge P.Sharpe 627)**

During the field work we were unable to locate *Cryptandra* sp. (Isla Gorge P.Sharpe 627) in Isla Gorge National Park. The search was not extensive and the species should not be considered to have disappeared from the site. Further searches of the area would be required if the species needs to be located within the park boundaries.

From the examination of topographical maps it appears that the landform on which *Cryptandra* sp. (Isla Gorge P.Sharpe 627) occurs on near the proposed dam extends into the Precipice National Park. The Park covers approximately 10,000 ha of sandstone escarpment and gorges north east of the proposed dam site. A flora checklist for Precipice National Park was compiled in November 1996 base on field work carried out in October 1996 by Mr P.I. Forster.

Cryptandra sp. (Isla Gorge P.Sharpe 627) has not been recorded but a closely related species *Cryptandra longistaminea* was recorded for the Precipice National Park. Close examination of the specimen revealed that the material has been mistakenly identified and is in fact *Cryptandra* sp. (Isla Gorge P.Sharpe 627). The extent of the population within the park is unknown.

ACKNOWLEDGMENTS

All the landholders are thanked for their cooperation. We would like to thank Frank Carter (Queensland National Parks Service, Department of Environment (DoE)) for advice on access to Isla Gorge National Park, Peter Bostock (Queensland Herbarium, DoE) for providing figure 1, and Gordon Guymer (Queensland Herbarium, DoE) and Bill McDonald (Queensland Herbarium, DoE) for providing comments on drafts of the report.

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Appendix 1

SITE DATA FOR *RUTIDOSIS CRISPATA* OBSERVED DURING FIELD WORK AUGUST 1997

Site: 1

Location: "Riverview" locality observed in flora survey 1996, approximately 3.5 km E of Riverview homestead, 15.8 km NE (47°) of Taroom.

Latitude/Longitude: 25°32'31" 149°54'44" **Easting/Northing:** 792639, 7171853

Habitat Description

Landform Pattern: low hills **Landform Element:** hillslope **Altitude:** 220-240 m

Slope: 3° simple **Aspect:** SSW, 200°

Soil: fine sandy loam, greyish brown 7.5 YR 4/2 **Surface:** Rock(%) < 1 **Bare(%):** 30-40

Vegetation Description: Open forest: co-dominant canopy species *Acacia rhodoxylon*, *Acacia shirleyi* and *Eucalyptus cambageana*.

Small tree and shrub layer: sparse. Species present include *Alstonia constricta*, *Breynia oblongifolia*, *Eremophila mitchellii*, *Erythroxylum* sp. (Splityard Creek L.Pedley 5360), *Hovea longipes* and *Maytenus cunninghamii*.

Ground layer: sparse. Species present include *Abutilon oxycarpum*, *Aristida caput-medusae*, *Brunoniella australis*, *Calyptochloa gracillima*, *Carissa ovata*, *Cissus opaca*, *Cleistochloa subjuncea*, *Einadia trigonos* subsp. *stellulata*, *Enneapogon lindleyanus*, *Eragrostis longipedicellata*, *Evolvulus alsinoides*, *Hibiscus sturtii*, *Leptochloa peacockii*, *Marsdenia microlepis*, *Paspalidium gracile*, *Pseuderanthemum variabile*, *Rutidosis crispata*, *Setaria dielsii* and *Sida glomerata*.

Extent of Population: 18 individuals scattered over an area of approximately 0.75 ha (150 m down and 50 m across the slope) from the top of the ridge down the slope to gully channel.

General comments: There is some disturbance from animal trails across slope near the top of the slope.

Site: 2

Location: "Riverview" approximately 300 m S of site 1, 15.6 km NE (48°) of Taroom.

Approximate centre of population

Latitude/Longitude: 25°32'39" 149°54'45" **Easting/Northing:** 792677, 7171557

Lowest contour on slope where plants occurred

Latitude/Longitude: 25°32'45" 149°54'47" **Easting/Northing:** 792742, 7171377

Habitat Description:

Landform Pattern: low hills **Landform Element:** hillslope **Altitude:** 180-220 m

Slope: 15°, simple **Aspect:** SW, 230°

Soil: fine sandy loam, dark brown 10 YR 3/4 **Surface:** Rock(%) < 1 **Bare(%):** 10-20

Vegetation Description: Open forest: dominant canopy species *Eucalyptus crebra* with *Flindersia australis* occasionally present.

Small tree and shrub layer: sparse. Species present include *Acacia bancroftii*, *Acacia longispicata* subsp. *longispicata*, *Alphitonia excelsa*, *Canthium* sp. (Berrigurra Station E.R.Anderson 2829), *Eremophila mitchellii*, *Geijera parviflora*, *Hakea fraseri*, *Hovea longipes* and *Opuntia tomentosa**

Ground layer: sparse to mid dense. Species present included *Alectryon diversifolius*, *Ancistrachne uncinulata*, *Aristida caput-medusae*, *Aristida lignosa*, *Brunoniella australis*, *Calotis cuneifolia*,

*Calyptochloa gracillima, Carissa ovata, Chenopodium carinatum, Cleistochloa subjuncea, Enneapogon lindleyanus, Eragrostis lacunaria, Evolvulus alsinoides, Jasminum didymum subsp. racemosum, Leptochloa peacockii, Lomandra sp., Maireana microphylla, Malvastrum americanum, Maytenus cunninghamii, Pandorea pandorana, Panicum effusum var. effusum, Paspalidium gracile, Rutidosis crispata, Setaria dielsii, Sida filiformis, Solanum parvifolium, Spartothamnella juncea, Thellungia advena, Themeda triandra, Thyridolepis xerophila and Verbena aristigera **

Extent of Population: 250 individuals over the slope covering an area approximately 1 ha (100 x 100 m) from the gully channel up the slope. Plants more frequent and less drought stressed towards base of slope.

General comments: There is very little disturbance.

Site: 3

Location: "Riverview" approximately 1 km S of site 1 on edge of Dawson River flood plain, 15.3 km NE (53°) of Taroom.

Latitude/Longitude: 25°32'59" 149°54'47" **Easting/Northing:** 792730, 7170932

Habitat Description:

Landform Pattern: low hills **Landform Element:** slope at foot of cliff **Altitude:** 180-200 m

Slope: 20 **Aspect:** 175°, S

Soil: silt loam, brownish black 7.5 YR 3/2

Surface: Rock(%) 20 **Bare(%):** 10-20

Vegetation Description: Open forest: dominant canopy species *Eucalyptus crebra* with *Callitris glaucophylla* occasionally present.

Small tree and shrub layer: sparse. Species present include *Acacia decora*, *Acacia excelsa*, *Acacia stenophylla*, *Alectryon hemiglaucha*, *Alectryon oleifolius*, *Canthium* sp. (Berrigurra Station E.R.Anderson 2829), *Citriobatus spinescens*, *Diospyros humilis*, *Geijera parviflora* and *Opuntia tomentosa* *

Ground layer: sparse. Species present include *Abutilon oxycarpum*, *Alectryon diversifolius*, *Ancistrachne uncinulata*, *Arundinella nepalensis*, *Austrostipa verticillata*, *Brachiaria foliosa*, *Calyptochloa gracillima*, *Carissa ovata*, *Chloris ventricosa*, *Dianella caerulea* var. *vannata*, *Enneapogon lindleyanus*, *Enteropogon unispiceus*, *Jasminum didymum* subsp. *racemosum*, *Leptochloa peacockii*, *Opuntia aurantiaca* *, *Pandorea pandorana*, *Panicum maximum* var. *trichoglume* *, *Paspalidium gracile*, *Plectranthus parviflorus*, *Rutidosis crispata*, *Scleria sphacelata*, *Tetragonia tetragonoides* and *Thellungia advena*.

Extent of Population: 57 plants observed in an area approximately 0.25 ha (250 m long and 10 m wide) along the cliff base. *Rutidosis crispata* was not observed to extend down onto the flats below the foot-slope.

General comments: There is some disturbance from animal trails across slope.

Site: 4

Location: "Riverview" approximately 500 m SSW of site 1, 15.2 km NE (48°) of Taroom.

Latitude/Longitude: 25°32'47", 149°54'35" **Easting/Northing:** 792394, 7171334

Habitat Description:

Landform Pattern: low hills **Landform Element:** crest **Altitude:** 240-260 m

Slope: 0°, flat hill top **Aspect:** not applicable

Soil: not recorded

Surface: Rock(%) 0 **Bare(%):** 10-20

Vegetation Description: Open forest: dominant canopy species *Eucalyptus crebra* with *Acacia harpophylla*

Extent of Population: 2 plants observed on top of hill within an area of approximately 1 ha (100 x 100 m)

General comments: disturbance none.

Site: 5

Location: "Riverview" on slope adjacent to Brodie's Road to "The Bend". approximately 3.5 km ESE of Riverview homestead, 16.6 km NE (44°) of Taroom.

Latitude/Longitude: 25°31'52" 149°54'37" **Easting/Northing:** 792500, 7173023

Habitat Description:

Landform Pattern: low hills **Landform Element:** hillslope **Altitude:** 220-240 m

Slope: 10° **Aspect:** SE, 75°

Soil: not recorded

Surface: Rock(%): <5 **Bare(%):** 20

Vegetation Description: Highly disturbed habitat remnant small trees and shrub on crest of hill.

Cenchrus ciliaris dominant ground layer species.

Extent of Population: 6 plants recorded from near the top of slope on the edge of a remnant stand of trees.

General comments: Numerous animal trails through area.

Site: 6

Location: "Riverview" approximately 1 km SSW of site 1 on edge of the Dawson River floodplain, 14.8 km NE (49°) of Taroom.

Approximate centre of population

Latitude/Longitude: 25°33'02", 149°54'28" **Easting/Northing:** 792201, 7170849

Lowest contour on slope where plants occurred

Latitude/Longitude: 25°33'08", 149°54'30" **Easting/Northing:** 792259, 7170682

Habitat Description:

Landform Pattern: low hills **Landform Element:** hillslope **Altitude:** 180-200 m

Slope: 10°/30°, upper slope and cliff-foot slope **Aspect:** 180°, S

Soil: fine sandy loam, dark brown 7.5 YR 3/4

Surface: Rock(%): 20 **Bare(%):** 10-20

Vegetation Description: Open forest: dominant canopy species *Eucalyptus crebra* with *Eucalyptus populnea* occasionally present.

Small tree and shrub layer: sparse. Species present include *Acacia decora*, *Acacia excelsa*, *Acacia longispicata* subsp. *longispicata*, *Alstonia constricta*, *Brachychiton populneus* subsp. *populneus*, *Canthium vacciniifolium*, *Geijera parviflora*, *Alectryon diversifolius*, *Alphitonia excelsa*, *Callitris glaucophylla*, *Canthium* sp. (Berrigurra Station E.R.Anderson 2829), *Denhamia oleaster* and *Diospyros humilis*.

Ground layer: sparse. Species present include *Ancistrachne uncinulata*, *Aristida caput-medusae*, *Calotis cuneifolia*, *Calyptochloa gracillima*, *Carissa ovata*, *Cenchrus ciliaris* *, *Cleistochloa subjuncea*, *Dianella caerulea* var. *vannata*, *Enneapogon lindleyanus*, *Eremophila debilis*, *Goodenia glabra*, *Jasminum didymum* subsp. *racemosum*, *Leptochloa peacockii*, *Opuntia tomentosa* *, *Rutidosis crispata* and *Spartothamnella juncea*.

Extent of Population: 12 plants recorded in an area approximately 0.9 ha (150 x 60) from the base of small cliff up the slope.

General comments: disturbance none

Site: 7

Location: "Riverview" approximately 1 km SW of site 1, 14.7 km NE (47°) of Taroom.

Latitude/Longitude: 25°32'54", 149°54'17" **Easting/Northing:** 791899, 7171126

Habitat Description:

Landform Pattern: low hills **Landform Element:** hillslope **Altitude:** 180-200 m

Slope: 20°, simple **Aspect:** 195°, S

Soil: not recorded

Surface: Rock(%) 10 **Bare(%):** 30

Vegetation Description: Open forest: dominant canopy species *Eucalyptus crebra* with

Casuarina cristata, *Acacia harpophylla* and *Eucalyptus populnea* occasionally present.

Small tree and shrub layer: sparse to mid dense. Species present include *Acacia decora*, *Alphitonia excelsa*, *Casuarina cristata*, *Eremophila mitchellii*, *Grevillea striata*, *Hovea longipes*, *Notelaea microcarpa*, *Abutilon oxycarpum* and *Alectryon hemiglaucia*.

Ground layer: sparse to mid dense. Species present include *Ancistrachne uncinulata*, *Aristida caput-medusae*, *Brachiaria foliosa*, *Callitris glaucophylla*, *Calyptochloa gracillima*, *Carissa ovata*, *Cissus opaca*, *Jasminum didymum* subsp. *racemosum*, *Maireana microphylla*, *Pandorea pandorana*, *Paspalidium gracile* and *Rutidosis crispata*.

Extent of Population: 14 individuals recorded on the slope covering an area approximately 3 ha (100 x 300 m)

General comments: There is some disturbance from animal trails across slope.

Site: 8

Location: "Riverview" hill approximately 1 km NNW of Riverview homestead, 14.1 km NE (32°) of Taroom.

Latitude/Longitude: 25°31'54", 149°52'18" **Easting/Northing:** 788599, 7173027

Habitat Description:

Landform Pattern: low hills **Landform Element:** crest **Altitude:** 260-280 m

Slope: 4° **Aspect:** 175°, S

Soil: not recorded

Surface: Rock(%) 10 **Bare(%):** 80

Vegetation Description: Open forest: dominant canopy species *Acacia rhodoxylon*.

Ground layer: sparse. Species present include *Olearia canescens* and *Rutidosis crispata*.

Extent of Population: 9 individuals scattered over an area of approximately 0.1 ha (10 m down and 100 m along the crest).

General comments: The population occurs in a narrow band along the top of the hill on the southern side of the crest. The area has numerous animal trails on the crest. Plants drought stressed.

Site: 9

Location: "Bookabie", 13.9 km ENE (59°) of Taroom.

Latitude/Longitude: 25°34'30", 149°55'00"

Easting/Northing: 793038, 7168127

Habitat Description:

Landform Pattern: low hills **Landform Element:** hillslope **Altitude:** 200-220 m

Slope: 10°/30°, waxing upper-slope and maximal lower slope **Aspect:** S, 175°

Soil: silt loam, brownish black 7.5 YR 3/2

Surface: Rock(%) 20 **Bare(%):** 20

Vegetation Description: Open forest with dominant canopy species *Eucalyptus crebra* and *Eucalyptus melanophloia* with an open lower tree stratum including *Acacia decora*, *Acacia fasciculifera*, *Alectryon connatus*, *Callitris glauophylla*, *Canthium odoratum*, *Canthium* sp. (Berrigurra Station E.R.Anderson 2829), *Ehretia membranifolia*, *Eremophila mitchellii*, *Geijera parviflora* and *Notelaea microcarpa*.

Shrub layer: sparse. Species present include *Alectryon diversifolius*, *Apophyllum anomalum*, *Denhamia oleaster*, *Erythroxylum* sp. (Splityard Creek L.Pedley 5360), *Grevillea striata*, *Hakea fraseri*, *Hovea longipes* and *Opuntia tomentosa* *, *Tarenna* sp. (Ka Ka Mundi N.P. W.J.McDonald+ 4642).

Ground layer: sparse to mid dense. Species present include *Abutilon oxycarpum*, *Achyranthes aspera*, *Ancistrachne uncinulata*, *Aristida caput-medusae*, *Aristida gracilipes*, *Aristida ramosa*, *Arundinella nepalensis*, *Brachiaria foliosa*, *Brachyscome microcarpa*, *Calyptochloa gracillima*, *Carissa ovata*, *Cleistochloa subjuncea*, *Cymbopogon refractus*, *Dianella caerulea* var. *vannata*, *Enneapogon lindleyanus*, *Eragrostis lacunaria*, *Leptochloa peacockii*, *Olearia canescens*, *Oxalis* sp., *Panicum effusum* var. *effusum*, *Paspalidium gracile*, *Plectranthus parviflorus*, *Rutidosis crispata*, *Sida corrugata* and *Thellungia advena*.

Extent of Population: 34 plants recorded in an area approximately 3 ha (100 x 300 m) from the base of the slope up to the middle of the upper slope.

General comments: A few animal trails present at the base of the slope.

Site: 10

Location: "Bookabie", 14.9 km ENE (57°) of Taroom.

Latitude/Longitude: 25°33'56", 149°55'21" **Easting/Northing:** 793627, 7169156

Habitat Description:

Landform Pattern: low hills **Landform Element:** hillslope **Altitude:** 240-260 m

Slope: 10°/20°, waxing upper-slope and maximal lower-slope **Aspect:** SE, 130°

Soil: , fine sandy loam, greyish brown 7.5 YR 4/2

Surface: Rock(%) 40 **Bare(%):** 10

Vegetation Description: Open forest: dominant canopy species *Eucalyptus crebra* and *Callitris glauophylla* with a lower tree stratum of *Hakea fraseri*, *Canthium* sp. (Berrigurra Station E.R.Anderson 2829), *Flindersia australis* and *Geijera parviflora*.

Shrub layer: sparse. Species present include *Alectryon diversifolius*, *Bursaria incana*, *Canthium coprosmoides*, *Canthium vacciniifolium*, *Capparis canescens*, *Citriobatus spinescens*, *Denhamia oleaster*, *Eremophila mitchellii*, *Hakea fraseri*, *Hovea longipes*, *Notelaea microcarpa* and *Santalum lanceolatum*.

Ground layer: sparse to mid dense. Species present include *Aristida caput-medusae*, *Aristida lignosa*, *Calyptochloa gracillima*, *Carissa ovata*, *Cissus opaca*, *Cleistochloa subjuncea*, *Dianella caerulea* var. *vannata*, *Enneapogon lindleyanus*, *Eragrostis lacunaria*, *Laxmannia* sp., *Opuntia tomentosa* *, *Pandorea pandorana* and *Paspalidium gracile*.

Extent of Population: 10 plants recorded in an area approximately 0.4 ha (20 x 200 m) along the slope in a narrow band.

General comments: disturbance none

Site: 11

Location: Isla Gorge National Park, hill W of Leichhardt Highway, 55.4 km NNE (21°) of Taroom.

Latitude/Longitude: 25°10'40", 150°00'25" **Easting/Northing:** 798330, 7211999

Habitat Description:

Landform Pattern: low hills **Landform Element:** hillslope to crest **Altitude:** 260-280 m

Slope: 10°/20°, southern side of crest and upper slope **Aspect:** S, 190°

Soil: sandy loam, very dark brown 7.5 YR 2/3

Surface: Rock(%): 20 **Bare(%):** 40

Vegetation Description: Open forest: dominant canopy species *Acacia rhodoxylon*, *Corymbia citriodora*, *Eucalyptus cloeziana* and *Eucalyptus suffulgens*.

Small tree and shrub layer: sparse. Species present include *Alstonia constricta* and *Callitris endlicheri*.

Ground layer: sparse. Species present include *Acacia complanata*, *Aristida queenslandica* var. *dissimilis*, *Aristida ramosa*, *Cleistochloa subjuncea*, *Einadia hastata*, *Eragrostis longipedicellata*, *Gahnia aspera*, *Hibiscus sturtii*, *Leptochloa peacockii*, *Lomandra* sp., *Paspalidium gracile*, *Peripleura bicolor*, *Phyllanthus gasstroemii*, *Scleria sphacelata*, *Sida trichopoda* and *Solanum parvifolium*.

Extent of Population: 29 plants recorded in an area approximately 1.5 ha (100 x 150 m) from the crest down the slope to gully channel.

General comments: disturbance none; plants drought stressed.



Consulting

- 1. Tall Open forest of Eucalyptus camaldulensis (river red gum), Eucalyptus tereticornis (forest red gum), Eucalyptus coolabah (coolibah) of the Dawson River and its tributaries
- 2. Very tall Open forest - tall woodland of Eucalyptus camaldulensis (river red gum), Eucalyptus tereticornis (forest red gum) of the tributaries of the Dawson River
- 3. Tall woodland - Mid high Open forest of Eucalyptus coolabah (coolibah) of the Dawson River floodplain and associated creek systems
- 4. Tall Open forest of Callitris glaucophylla (white cypress pine) on sands
- 5. Tall Open forest - Mid high Open forest - Mid high woodland of Eucalyptus crebra (narrow-leaved ironbark) and Callitris glaucophylla (white cypress pine) on sandstone
- 6. Tall woodland - Mid high Open forest of Acacia harpophylla (brigalow), vine thicket and Eucalyptus spp.
- 7. Tall Open forest - Mid high woodland of Eucalyptus populnea (poplar box) on alluvium
- 8. Tall woodland - Mid high Open forest - Mid high woodland of mixed Eucalyptus spp.
- 9a. Tall Open forest of Vine thicket
- 9b. Tall woodland of Brachychiton rupestris (narrow-leaved bottle tree)
- 10. Tall woodland of Casuarina cristata (belah)
- 11. Mid high Open forest - Mid high woodland of Acacia rhodoxylon (rosewood)
- 12. Mid high Open forest - Mid high woodland of Acacia rhodoxylon (rosewood), Acacia shirleyi (lancewood) and Acacia harpophylla (brigalow)
- 13. Cleared. Lands used for agriculture, grazing and urban purposes
- 14. Water

