

**WATTLEUP LAKE AND ADJACENT BUSHLAND, WATTLEUP/MANDOGALUP**

**Boundary Definition:** bushland (part taken to cadastre)/conservation wetland boundary

**SECTION 1: CADASTRAL INFORMATION**

(Lots, locations and derived information to be updated in the public submission period)

**Bushplan Site no.** 393      **Map no.** 74      **Map sheet series ref. no.** 2033-I SW

**System 6 (1983):** Part M93 Part System area bushland and part scattered native plants (canopy), all vegetation described

**Other Names**

Sayer Rd Swamp, Submission Area 225

**Local Authorities (Suburb)**

Town of Kwinana (Mandogalup), City of Cockburn (Wattleup)

**Area (ha):** total 22.2 (includes open water); bushland 18.9

**Zoning**

**MRS:** Rural

**TPS:** Lakes and Drainage, Local Road, R.O.W.,

P.A.W., Rural, Rural A

**Lot/Location/Reserve numbers (Purpose),**

**Street name**

3, 500 Mandogalup Rd; 59, 63, 64, 86 Wattleup Rd; 57, 58 Pearse Rd

**Ownership Categories**

Private (including commercial organisation)

**SECTION 2: REGIONAL INFORMATION**

**LANDFORMS AND SOILS**

**Spearwood Dunes**

Sands derived from Tamala Limestone (Qts: S7) (at or near interface of Spearwood and Bassendean Dunes)

**Wetlands (within the Spearwood/Bassendean Dunes interface)**

Holocene Swamp Deposits (Qhw: Cps, Ms5)

**VEGETATION AND FLORA**

**Vegetation Complexes**

**Bassendean Dunes**

Bassendean Complex — Central and South (at interface of Bassendean Complex — Central and South and Karrakatta Complex — Central and South)

**Spearwood Dunes**

Karrakatta Complex — Central and South

**Floristic Community Types:** \*not sampled types inferred

**Supergroup 2: Seasonal Wetlands**

\*11 Wet forests and woodlands

\*12 *Melaleuca teretifolia* and/or *Astartea* aff. *fascicularis* shrubland uplands

**WETLANDS**

**Wetland Types:** sumpland, lake

**Natural Wetland Groups**

**Spearwood—Bassendean interface**

Bibra (S/B.1)

**Wetland Management Objectives:** Conservation (2.3ha), Resource Enhancement

**Swan Coastal Plain Lakes EPP:** 3ha + 9.3ha = 12.3ha (total)

**THREATENED ECOLOGICAL COMMUNITIES**

Not assessed

**SECTION 3: SPECIFIC SITE DETAIL**

**Landscape Features:** open water, vegetated wetland, vegetated uplands

**Vegetation and Flora:** limited survey (Cockburn Wetlands Committee 1976, DEP 1998 fenceline survey, EPA and WAWA 1990, Weston 1993)

**Structural Units:** mapping (Cockburn Wetlands Committee 1976, EPA and WAWA 1990)

Uplands - Bassendean and Spearwood Dunes not distinguished: *Eucalyptus gomphocephala*, *E. calophylla* and *E. marginata* Open Woodland over mixed *Banksia* species

*Melaleuca preissiana* and *M. raphiophylla* Low Woodland; *Melaleuca raphiophylla* Low Open Forest to Low Forest; *Melaleuca preissiana* and *M. raphiophylla* Low Closed Forest; *Melaleuca teretifolia* Closed Tall Scrub; *Baumea articulata* Closed Sedgeland

**Scattered Native Plants:** *Eucalyptus gomphocephala* Open Woodland; *Melaleuca preissiana* Low Open Woodland; *Eucalyptus rudis* Open Woodland

**Vegetation Condition:** Part of Bushplan Site only (adjacent to Wattleup Lake) >25% Good, <75% Degraded to Completely Degraded (Weston 1993)

**Total Flora:** 17 native species (Cockburn Wetlands Committee 1976) (estimated <60% expected flora)

**Significant Flora:** none recorded

**Fauna:** no known information

**Linkage:** adjacent bushland to the north (BS392) and south; part of a regionally significant contiguous bushland/wetland linkage (Volume 2A, Map 8)

**SECTION 4: INTERNATIONAL AND NATIONAL SIGNIFICANCE**

Interim List of the Register of the National Estate

**SECTION 5: SELECTION CRITERIA AND RECOMMENDATIONS**

**Criteria:** Representation of ecological communities, General criteria for the protection of wetland, streamline and estuarine fringing and coastal vegetation

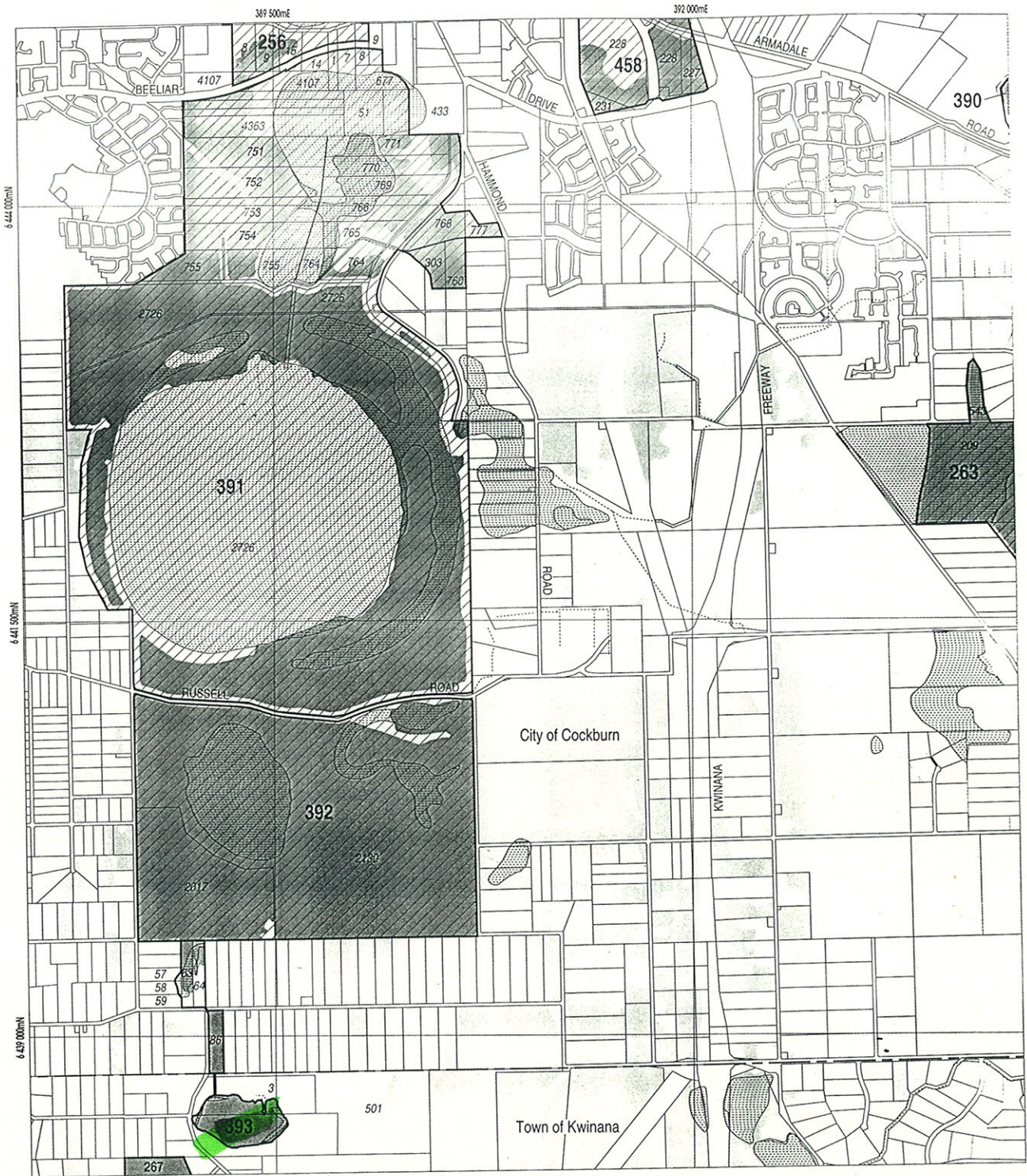
**Opportunities and/or Constraints**

Opportunities: Bushplan Site/part Bushplan Site subject to Swan Coastal Plain Lakes EPP; location of conservation category wetlands; under Planning Control Area No. 39

Constraints: private land

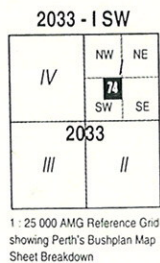
**Recommendation:** The most appropriate mechanism for the protection of this Bushplan Site be considered through the public comment period in consultation with the land owner(s).





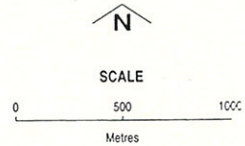
**LEGEND**

- 472** Bushplan Sites With Regionally Significant Bushland
- Other Native Vegetation
- Conservation Category Wetlands
- Bushplan Sites With Some Existing Protection
- 696 Lot Number, Location Number
- Channel Wetlands
- Local Government Boundary

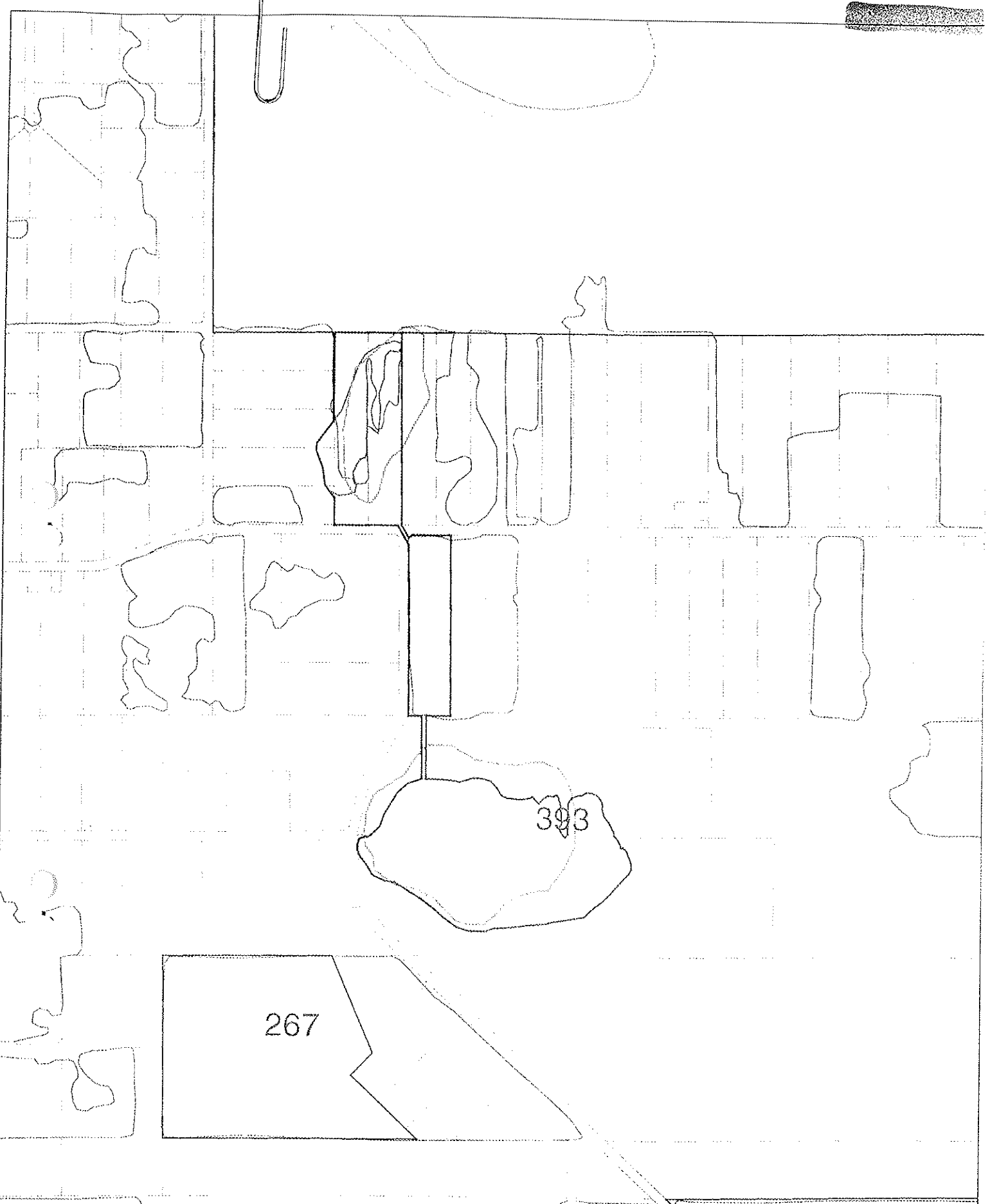


**PERTH'S BUSHPLAN MAP INDEX**

1	2										
3	4										
6	7	8	9	10	11						
12	13	14	15	16							
17	18	19	20	21	22	23					
24	25	26	27	28	29	30					
31	32	33	34	35	36						
37	38	39	40	41	42						
43	44	45	46	47	48						
49	50	51	52	53	54						
55	56	57	58	59							
60	61	62	63	64							
65	66	67	68	69	70						
71	72	73	74	75	76	77					
78	79	80	81	82	83	84					
85	86	87	88	89	90	91					
92	93	94	95	96	97						
98	99	100	101	102							
103	104	105	106								



Produced by Project Mapping Section  
Land Information Branch, Ministry for  
Planning, Perth W.A. November 1996  
ntw-map9/1/enviro/bushplan/bushv2\_74.ogn  
Cadastral Data supplied by Department  
of Land Administration, W.A.  
Wetlands Data supplied by  
Water and Rivers Commission  
Native Vegetation Extent for Study Area  
supplied by Agriculture Western Australia



**BUSHPLAN SITES CORRECTED**



WESTERN  
AUSTRALIAN  
PLANNING  
COMMISSION



*B TG 28/10/98*



add Harry Wain BS 392

PREVIOUSLY NOT MAPPED AS BUSHLAND (condition? Bk)

is veg? agree? how vegetated CCW

PART BOUNDARY OF MMS BOUNDARY?

28 291-1

- Merely following S512 need full justification
- (i) Follow Ag Veg and CCW and link to side to north also K-C-S complex
  - (ii) Bassenden, separated by roads, no wetland attribute, no TEC or map R&E flow
  - (iii) BS 393 to follow Veg and CCW line

LOCAL AUTHORITY RESERVE

(ii)

SUBDIVISION APPROVAL

PLOT MAPPED AS BUSHLAND

393

BS392





(iii)

MMS RUMM

NT/CK 29/9  
add cons cat. with to BS392 using red outline  
make BS393 like linked to BSA refer

### bp site 393

S512 Map 3.

-  AG VEG 1998 BOUNDARY THEME
-  Cadastre
-  Bushplan sites refno 1-500 SCP BOUNDARY THEME
-  cons category wetlands

MFP INTERNAL USE ONLY  
 Prepared By: Andrea Zappacosta  
 Prepared For:  
 Map Ident: plot980604\_1  
 Date: 04 Jun 98  
 Scale 1:7561

# WATTLEUP LAKE

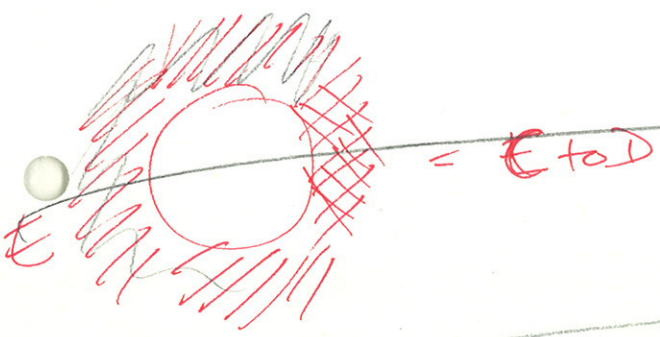
|||| ||| ||| |

- DBP library - no records
- Road Map 122

- 1 ~~6. E. nidiis w~~
- 1 ~~17. Mt. teretifolia ET CTS~~
- ~~22. Mt. LCF~~
- ~~32. Pine~~
- ~~33. pine~~
- ~~34. cleared~~
- ~~12. Eg, Em Bm+Bw on~~

- 3. Cladium zvlc ES
- 6. Er W
- 9. Er + Eselig
- ~~21. Mt LCF~~
- 38. cleared
- 38. H20

condition - NO WESTERN



Moanah pt. d sub  
to to  
w.c.

• ~~< 75%~~ ~~totally~~ completely degraded

> 25% G-D

- check w/ Bronwen

? BS 393 Spear S  
e.  
WATTLEUP LAKE

### SYSTEM 6 BUSHLAND SUBMISSION FORM FOR CONSIDERATION IN THE UPDATE PROGRAMME

If you wish to submit more than one area for consideration in the System 6 update, please use a separate form for each area.

Please fill in each section giving as much information as possible.

**LOCATION, OWNERSHIP AND ZONING OF THE AREA**

1. Location *SAYER Rd SWAMP*

Please give as accurate and detailed a description as possible of the site location  
Please include either a hand drawn or copied map showing the area of the area

a) Bordering Roads: *Menzies Rd & Rowley*

b) Nearest Corner: .....

c) Lot Number: ..... Street Number: .....

d) Town/Suburb/Location: .....

e) Local Council: .....

f) Site Name (if any): .....

g) Approximate size of the area (ha): .....

h) Please locate the area on a map and give us map references if possible:

*See attached*

i) Map: ..... Streetsmart /UBD/Other: .....

j) Map no.: .....

k) Grid Ref: .....

l) Please give any other information that may help us to find the location:

.....

m) Are you aware of any development proposals that are likely to affect the area?

.....

**NOTE: Areas that have already been given development APPROVAL should not be nominated**

Please fill out those questions that you can answer

2. Who owns the area? (If owned by the person/s making the nomination please indicate) .....  
..... *Numerous Owners* .....

3. If you own the area, and may be interested in participating in conservation on private land initiatives please indicate (and leave your name and address at the end of this submission form) .....

4. What is the area zoned? (please indicate whether zoning is Town Planning Scheme or Metropolitan Region Scheme) ..... *Rural* .....

CAN YOU TELL US A LITTLE ABOUT THE PHYSICAL CHARACTERISTICS OF THE AREA

5. Why do you consider this area important? (Refer to Guiding Issues paper) .....  
..... *Important local wetland* .....

6. What is/are the soil type/s and colours ? .....  
Type: Sand/Clay/Gravel/Loam/Silt  
Colour: White/Grey/Brown/Orange/Yellow/Red/Black

7. Does the area have any special features such as unusual landforms / landscapes that still retain their natural vegetation? Yes/No  
If yes, what are they? .....  
.....  
.....

8. Is the area a wetland or does it include a wetland? .....  
If yes, what kind of a wetlands is it?

- a) lake
- b) river
- c) stream
- d) swamp
- e) estuary
- f) seasonally wet
- g) other

9. What percentage of the wetland is open water in summer? .....

CAN YOU TELL US A LITTLE ABOUT THE VEGETATION /FAUNA ON THE NOMINATED AREA.

10. What percentage of the area is indigenous vegetation? .....

11. If the area includes regions cleared of native bushland please indicate reasons for the inclusion. ....

12. Has any previous flora or fauna survey work been done on the area? .....

If yes, please give details of the work .....

13. How would you rate the condition of the native bushland? (see attached table)

- a) pristine
- b) excellent
- c) very good
- d) good
- e) degraded
- f) completely degraded
- g) don't know

14. Please indicate the disturbances affecting the area and where appropriate the percentage of the area disturbed.

- a) Partial clearing
- b) fragmentation
- c) Selective removal of species: timber cutting, wildflower picking, mowing dieback and other plant diseases
- d) Fire regime, including intensity, season and frequency
- e) 'Enrichment plantings' that is plantings of species not found in that community
- f) Weed invasion
- g) Animal impact: horses, foxes, rabbits, cats, dogs, camels, goats etc
- h) Soil movement, both removal and dumping
- i) Changes in water regimes; flooding, drainage and watering
- j) Salinity
- k) Fertiliser drift and along waterways nutrient influx
- l) Mining, including that for road works

- m) Grazing: stock, overgrazing by feral or native mammals
- n) Proliferation of tracks, fire breaks and walk trails
- o) Off-road vehicle use
- p) Use as service corridors by the SEC, Main Roads, Water Authority.

(Source: B Keighery. Bushland Plant Survey, September 1994)

15. Does the area contain any plant species of special interest that you know of? (eg. declared rare flora, priority taxa, outlier populations) .....

Do you know what they are? .....

16. Do you know of any native animals that use the area? .....

Can you list those you know of? (birds, mammals, reptiles, amphibians etc)

17. Is the area used by any native animals of special interest? (eg. endangered species, large/important populations).....

If yes, please name them and indicate source of information

.....  
 .....

*CAN YOU TELL US A LITTLE ABOUT THE SURROUNDING AREA*

18. Are there any bushland areas (including wetlands) near to this area?

.....

If yes, how close are they ? .....

.....  
 .....

Are they already conservation reserves? .....

What is their approximate size? .....

19. Does the submitted area link other bushland areas? .....

.....  
 .....

Please attach any additional information about the area which may be of use when assessing it.

DEP SYSTEM 6 UPDATE SUBMISSION SURVEY SHEET

B.J. KEIGHERY 9/95

BUSHLAND AREA 05 393 SITES YES/NO

DATE 4/1/97 RECORDERS BJK

Observations edge transects

Geographic Location Latitude \_\_\_\_\_ S Longitude \_\_\_\_\_ E

Reference Map \_\_\_\_\_

Photograph \_\_\_\_\_ Photographer's Name BJK Photo No \_\_\_\_\_

Transect of landscape units

dunes  
dry/wet flats  
sumplands  
uplands  
type

Soil \_\_\_\_\_ Colour \_\_\_\_\_  
Exposed rock type \_\_\_\_\_ % area \_\_\_\_\_

VEGETATION

Eucalypts	<i>E. calophylla</i>	<i>E. wandoo</i>	<i>E. marginata</i>	<i>E. todtiana</i>	<i>E. rudis</i>
	<i>E. decipiens</i>	<i>E. drummondii</i>	<i>E. haematoxylon</i>	<i>E. lanepoolei</i>	<i>E. gomphocephala</i>
	<i>E. accedens</i>	<i>E. patens</i>	<i>E. laeliae</i>	<i>E. megacarpa</i>	
Sheoaks	<i>Allocasuarina fraserana</i>		<i>Casuarina obesa</i>		
Banksia	<i>B. attenuata</i>	<i>B. menziesii</i>	<i>B. prionotes</i>	<i>B. illicifolia</i>	<i>B. grandis</i> <i>B. littoralis</i>
Melaleuca	<i>M. preissii</i>	<i>M. raphiophylla</i>	<i>M. lanceolata</i>	<i>M. cuticularis</i>	
Others	<i>Callitris preissii</i>				
Mallees	Eucalypts	<i>E. argutifolia</i>	<i>E. petrensis</i>	<i>E. decurva</i>	<i>E. foecunda</i> <i>E. latens</i>

A *Eucalyptus rudis* over *Kikuyu*  
(from boundary fence to E)

B (view across Lake)

*Mel. raph.* Low Forest over *Mel. teretifolia*  
Closed Tall Scrub

P70

Vegetation Condition - Keighery 1994 (Trudgen 1993)

1 = 'Pristine' (Excellent)	
2 = Excellent (Very Good)	B
3 = Very Good (Good)	only intact vegetation is eastern edge; see aerial photo
4 = Good (Poor)	
5 = Degraded (Very Poor)	
6 = Completely Degraded	C

partial clearing	
weeds	
selective removal of species	timber cutting mowing % dieback
fire frequency	
'enrichment plantings'	
animal impact	horse foxes rabbits cats dogs goats pigs overgrazing by native mammals
soil movement	mining dumping rubbish dumping roadworks
changes in water regimes	flooding drainage watering nutrient influx
Tracks	fire breaks walk trails off road vehicle use animal tracks
Service corridors	SEC Main Roads Water Authority. Telecom
Other	





inspection  
route/visual



Boundary BS



W10015749A6  
11/12/92

5023

1193

60 308

Sprucewood South

Part Report:

Value identification  
not objection  
assessment section

(Contact Heritage  
Commission, Melinda  
Brouer for complete

Objection Assessment of the  
values of the vegetation and flora of the report) 13/5/96  
Beeliar Wetlands



*Alogyne huegelii* var. *glabrescens* to the west of Manning Lake

Prepared for the Australian Heritage Commission

by Bronwen Keighery, Consultant Botanist  
November 1995 and February 1996

**Table 2:** Bushland Areas listed on the National Estate or being considered for listing.  
Bushland Areas listed/interim listed on the National Estate

Bushland Area	Area (ha)	Native Flora	Flor. Com 10.	Veg. Assoc#.	Veg. Comp. 18
✓ Hepburn Heights/Pinnaroo	90	230*1 ✓	3*	1911.	3
✓ Trigg/Karrinyup Reserves	120	175 <sup>2</sup> ✓	4		2
✓ Banksia Road Nature Reserve	33	150 <sup>3</sup> ✓	3		1
✓ Marangaroo (Res 20091)	30*	130 *4 ✓	1		1
✓ Neerabup National Park	1,111	242 <sup>5</sup> ✓	2		?2
✓ Star Swamp	100	191 <sup>6</sup> ✓	3	1311.	?2
✓ Woodvale Nature Reserve	44	170 <sup>7</sup> ✓	1		1
Beeliar Wetlands	2700	406 <sup>22</sup>	7	3118	4
✓ Thompsons Lake NR	509	199 <sup>14</sup> ✓		15 <sup>14</sup> 12 <sup>18</sup>	3
✓ Baganup Lake	254	279 <sup>15</sup> ✓	4	10 <sup>15</sup>	3
Murdoch University	?	200 <sup>13</sup>		5 <sup>13</sup>	2
✓ Yangebup Lake	103*	140 <sup>16</sup> ✓		5 <sup>16</sup> 7 <sup>18</sup>	2
✓ Piney Lake	68	96 <sup>10</sup> ✓		6 <sup>10</sup>	1
✓ Booragoon Lake	13	34 <sup>12</sup> ✓		3 <sup>12</sup>	1
✓ Market Garden Lake	38	21 <sup>17</sup> ✓		7 <sup>17</sup>	1

Unlisted areas subject to current nominations

✓ Kings Park	400	290 <sup>20</sup> ✓	1	5 <sup>20</sup>	1
✓ Bold Park	221	221 <sup>21</sup> ✓	4		3
✓ M91	56	86 <sup>23</sup> ✓	2		1

# these are not directly compatible as they are based on variety of approaches to describing vegetation associations

\* estimate of area, flora or floristic community types

1 estimate based on Keighery (1991), Tingay (1991), Foulds (1988) and AHC Listing Document

2+ G. Keighery pers. comm.

3+ G. Keighery pers. comm.

4 estimate from knowledge of the area

5+ G. Keighery pers. comm.

6 Bell *et al.* (1984)

7 Keighery and Langley (1994)

8 Gibson *et al.* (1994) and System 6 Update

9 Tingay (1991)

10 Rodda (1986)

11 Weston and Clay (1980)

12 Smith (1985)

13 Dell and Bennett (1986)

14 Crook and Evans (1981)

15 Clay (1986)

16 Ecoscape (1994)

17 Ecoscape (1995)

18 Newman *et al.* (1976)

19 Heddie *et al.* (1980)

20 Bennet in Kings Park Bushland Draft Management Plan (1993)

21 Keighery, Harvey and Keighery (1991)

22 Appendix Flora

23 Keighery and Keighery 1993

+ Reserve flora lists for bushland areas on the Swan Coastal Plain are being compiled by G.J. Keighery with assistance from B.J. Keighery and N. Gibson to establish a better knowledge of the flora of these areas and to address species conservation status for the Swan Coastal Plain.

**Table 3: Floristic Community Types found in the study area**

Each site is located Map 1. Study site codes refer to the following areas:

- Thom - Thomson Lake Nature Reserve (Gibson *et al.* 1994)  
 Harry - Banganup Lake and adjacent bushland, Harry Waring Marsupial Reserve  
 or Jandakot Research Station (Gibson *et al.* 1994)  
 MTB - Lakes Mount Brown and Brownman Swamps and adjacent bushland (Gibson *et al.* 1994)  
 NAVB - M 91 (Gibson *et al.* 1994)  
 Beel - 1 & 2 North Lake and adjacent bushland (System 6 Update 1995)  
 - 3 Murdoch University

Floristic Community Type (site)	Generalised Description	Predominant Landform Type (after Churchward and McArthur 1980)
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**Wetland Super Group**

5 (Map 2a) Harry 3	Mixed shrub damplands Mean species richness per site: 38.4 Av.Cond: 2.1, Cons status: Low risk	Bassendean/Pinjarra
11 (Map 2a) Harry 6 Beel 3	Wet forests and woodlands Mean species richness per site: 27.2 Av.Cond: 2.7, Cons status: Low risk	Bassendean/Pinjarra
16 (Map 2a) *NAVB 1	Highly saline seasonal wetlands Mean species richness per site: 13.5 Av.Cond: 2.9, Cons status: Vulnerable	coastal and esturine
17 (Map 2a) MTB 05	<i>Melaleuca raphiophylla</i> - <i>Ghania trifida</i> seasonal wetlands Mean species richness per site: 13.6 Av.Cond: 2.3, Cons status: Low risk	Quindalup/ Spearwood

**Bassendean Dune Super Group**

21a (Map 2b) Harry 05	Central <i>Banksia attenuata</i> - <i>E. marginata</i> woodlands Mean species richness per site: 54.6 Av.Cond: 2.5, Cons status: Low risk	Bassendean/ Spearwood
23a Map 2b) Harry 04 #Beel 02	Central <i>Banksia attenuata</i> - <i>B.menziesii</i> woodlands Mean species richness per site: 62.8 Av.Cond: 2, Cons status: Low risk	Bassendean

**Spearwood/Quindalup Dune Super Group**

24 (Map 2b) Thom 02 MTB 1, 2, 3 & 4 *NAVB3 &4	Northern Spearwood shrublands and woodlands Mean species richness per site: 41.8 Av.Cond: 3, Cons status: Susceptible	Spearwood
28 (Map 2b) #Beel 1 Harry 1 & 2	Spearwood <i>Banksia attenuata</i> or <i>Banksia attenuata</i> - <i>Eucalyptus</i> woodlands Mean species richness per site: 55.2 Av.Cond: 2.5, Cons status: Low risk	Spearwood
29a (Map 2b) *NAVB 2	Coastal shrublands on shallow sands Mean species richness per site: 40.7 Av.Cond: 2.3, Cons status: Susceptible	Quindalup

## Appendix 1

This list was compiled from a series of published and unpublished lists for the study area. The principle references are cited in the key to column 4. Records were also extracted from the text of Environmental Science Murdoch University (1986) and Newman *et al.* (1980). As most of these lists date from the 1980's there was a need to update the nomenclature.

Some additions have also been made from field visits in October and November 1995 for this study.

### Key

#### Column 1: Taxon

Taxa are listed alphabetically in family, genera and species. Nomenclature is after Gibson *et al.* (1994). A \* preceding a the genus name indicate a non-native taxon, these may be naturalised taxa or planted taxa.

**Column 2:** Priority Code (Department of Conservation and Land Management 1995)

#### Column 3: Geographical Range/Significant Taxa

N = Populations at the northern limit of their known range

S = Populations at the southern limit of their known range

W = Populations at the western limit of their known range

Geographic Limit - Location of limits as defined above.

# = Significant taxa (see Sections 3.3.1 and 3.4.1.2 for details of significance)

#### Column 4: Areas

P Piney Lake Reserve (Rodda 1986)

Ba Banganup Lake (Weston and Clay 1980)

Bo Booragoon (Lake Smith 1985)

M Murdoch University (Dell and Bennett 1986)

T Thompson's Lake Nature Reserve (Crook and Evans 1981)

S The Spectacles (Clay 1986)

Y Yangebup Lake (Ecoscape 1994)

Ma Manning Lake (this report)

MG Market Garden Swamps (Ecoscape 1995)

MB Floristic Database for Swan Coastal Plain (Gibson *et al.* 1994) and System 6 Update

F Floristic Database for Swan Coastal Plain (Gibson *et al.* 1994) and System 6 Update.

91 System 6 area M91 (Keighery and Keighery 1993)

Taxon	Prio Code	Geographic Range	Recorded Areas	29
<b>Aizoaceae</b>				
*Carpobrotus aquilaterale			P, Ba, T, S	
*Carpobrotus edulis			Ba, Bo, M, T, Y, F, 91	
Carpobrotus virescens			91	
Carpobrotus virescens X edulis			91	
*Tetragonia decumbens			F, 91	
<b>Amaranthaceae</b>				
Ptilotus drummondii			Ba, T, Y, 91	
Ptilotus manglesii			P	
Ptilotus polystachyus			M, Y	
<b>Anredaceae</b>				
*Anredera cordifolia			MG	
<b>Anthericaceae</b>				
Arnocrinum preissii			Ba, T, Y	
Caesia micrantha			Ba, M, T	
Caesia occidentalis			F	
Chamaescilla corymbosa			Ba, M, T, S, F	
Corynotheca micrantha			Ba, M, T, S, Y	
Dichopogon capillipes			Ba, T, Y, F	
Laxmannia ramosa			Ba	
Laxmannia squarrosa			P, Ba, T, M, F	
Sowerbaea laxiflora			P, Ba, M, T, S, Y, F	
Thysanotus arenarius			Y	
Thysanotus asper			M	
Thysanotus manglesianus/patersonii complex			P, Ba, T, Y, F, 91	
Thysanotus multiflorus			M	
Thysanotus sparteus			Ba, T, Y, F	
Thysanotus thyrsoideus			F	
Thysanotus triandrus			Ba, M, Y, F	
Tricoryne elatior			Ba, Bo, M, T, S, Y	
Tricoryne tenella			F	
<b>Amaryllidaceae</b>				
*Narcissus tazetta				
<b>Apiaceae</b>				
Apium annuum			F, 91	
Apium prostratum			F	
Centella cordifolia			Ba, Bo, M, T, S, Y	
Daucus glochidiatus			F, 91	

Taxon	Prio Code	Geographic Range	Recorded Areas	30
<i>Eryngium pinnatifidum</i> subsp. <i>pinnatifidum</i>			Ba, M, T, Y, F	
* <i>Foeniculum vulgare</i>			T, Y, Mg, Ma, 91	
<i>Homalosciadium homalocarpum</i>			Ba, Y, F	
<i>Hydrocotyle diantha</i>			F	
<i>Hydrocotyle scutellifera</i>			F	
<i>Platysace compressa</i>			Ba, M, T, F	
<i>Trachymene pilosa</i>			M, Y, F	
<i>Xanthosia huegelii</i>			Ba, M, , S, Y, F	
<b>Araceae</b>				
* <i>Zantedeschia aethiopica</i>			S, Y, H, MG, F	
<b>Asclepidaceae</b>				
* <i>Gomphocarpus fruticosus</i>			MG	
<b>Asparagaceae</b>				
* <i>Myrsiphyllum asparagoides</i>			Ma	
<b>Asphodelaceae</b>				
* <i>Asphodelus fistulosus</i>			Ba, M, T, 91	
* <i>Trachyandra divaricata</i>			91	
<b>Asteraceae</b>				
* <i>Arctotheca calendula</i>			Ba, T, S, Y, 91	
* <i>Aster subulatus</i>			Ba, T, F	
<i>Asteridea pulverulenta</i>			Ba, Y	
<i>Brachyscome iberidifolia</i>			Ba, M	
* <i>Carduus pycnocephalus</i>			Ba	
* <i>Centaurea melitensis</i>			Ba, F, 91	
* <i>Cirsium vulgare</i>			Ba, MG, 91	
* <i>Conyza albida</i>			F, 91	
* <i>Conyza bonariensis</i>			Bo, F, 91	
<i>Cotula coronopifolia</i>			Ma	
* <i>Dittrichia graveolens</i>			MG, 91	
* <i>Helianthus annua</i>			MG	
<i>Helichrysum cordatum</i>			M, 91	
<i>Hyalosperma cotula</i>			Ba, T, F, 91	
* <i>Hypochaeris glabra</i>			Ba, Bo, S, Y, MG, F, 9	
<i>Ixiolaena viscosa</i>	N	North Lake	Bi, N, F	
* <i>Lactuca serriola</i>			Y, F	
<i>Lagenifera huegelii</i>			Ba, S, Y, F	
<i>Millotia myosotidifolia</i>			Ba, M, t	
<i>Millotia tenuifolia</i>			F	

Taxon	Prio Code	Geographic Range	Recorded Areas	31
<i>Olearia axillaris</i>			Ba, M, T, F, 91	
<i>Olearia elaeophila</i>			Y	
<i>Pithocarpa corymbulosa</i>			Y	
<i>Podolepis canescens</i>			Ba, T	
<i>Podolepis gracilis</i>			Ba, M, T, Y, F	
<i>Podotheca angustifolia</i>			Y, F	
<i>Podotheca chrysantha</i>			Ba, M, T, F	
<i>Podotheca gnaphalioides</i>			P	
<i>Pseudognaphalium luteoalbum</i>			Ba, F	
<i>Quinetia urvillei</i>			Y, F	
<i>Senecio hispidulus</i>			Ba, T	
<i>Senecio lautus</i>			Ba, M, T, Y, F, 91	
<i>Siloxerus humifusus</i>			Ba, M, F	
* <i>Solidago canadensis</i>			MG	
* <i>Sonchus asper</i>			Ba, M, F, 91	
<i>Sonchus hydrophilus</i>			F, 91	
* <i>Sonchus oleraceus</i>			F, 91	
* <i>Taraxacum officinale</i>			MG	
* <i>Urospermum picroides</i>			F, 91	
* <i>Ursinia anthemoides</i>			Ba, S, Y, F	
* <i>Vellereophyton dealbatum</i>			Ba, T, F, 91	
<i>Waitzia citrina</i>			T, F	
<i>Waitzia suaveolens</i>			F	
<b>Azollaceae</b>				
<i>Azolla filiculoides</i>			Y, H	
<b>Brassicaceae</b>				
* <i>Brassica oxyrrhina</i>			Y	
* <i>Brassica tournefortii</i>			Ba, MG, F, 91	
* <i>Heliophila pusilla</i>			Ba, F, 91	
* <i>Lobularia maritima</i>			MG	
* <i>Sisymbrium orientale</i>			MG	
* <i>Raphanus raphanistrum</i>			BO, MG	
* <i>Rorippa naturtium-aquaticm</i>			Ba, T	
<b>Callitrichaceae</b>				
* <i>Callitriche stagnalis</i>			Ba	
<b>Campanulaceae</b>				
* <i>Wahlenbergia capensis</i>			Ba, Y	
<i>Wahlenbergia preissii</i>			Ba, F	

Taxon	Prio Code	Geographic Range	Recorded Areas	32
<b>Cannaceae</b>				
* <i>Canna generalis</i>			MG	
* <i>Canna ochnoides</i>			MG	
<b>Caryophyllaceae</b>				
* <i>Arenaria serpyllifolia</i>			F	
* <i>Cerastium glomeratum</i>			Ba, F	
* <i>Minuartia hybrida</i>			F, 91	
* <i>Petrorhagia velutina</i>			Ba, T, Y, 91	
* <i>Sagina apetala</i>			Ba, F	
* <i>Sagina maritima</i>			F, 91	
* <i>Silene gallica</i>			Ba, T, Y, F, 91	
* <i>Stellaria media</i>			Ba, F, 91	
<b>Casuarinaceae</b>				
<i>Allocasuarina fraseriana</i>			P, Ba, M,, T, S, Y, F	
<i>Allocasuarina humilis</i>			P, Ba, M,, T, S, F, 91	
<b>Centrolepidaceae</b>				
<i>Centrolepis aristata</i>			Ba	
<i>Centrolepis drummondiana</i>			Ba, T, Y, F	
<b>Chenopodiaceae</b>				
<i>Atriplex cinerea</i>			F, 91	
<i>Atriplex hypoleuca</i>			Ma	
* <i>Atriplex prostrata</i>			T	
* <i>Chenopodium album</i>			MG	
* <i>Chenopodium ambrosioides</i>			Ba, T	
* <i>Chenopodium murale</i>			91	
<i>Chenopodium pumilio</i>	N	Balangup L	Ba	
<i>Rhagodia baccata</i>			F	
<i>Rhagodia baccata</i> subsp. <i>baccata</i>			91	
# <i>Rhagodia baccata</i> subsp. <i>dioica</i>			91	
<i>Sarcocornia quinqueflora</i>			MG, Ma, F, 91	
<i>Suaeda australis</i>			MG, 91	
<i>Threlkeldia diffusa</i>			F, 91	
<b>Colchicaceae</b>				
<i>Burchardia congesta</i>			P, Ba, Bo, M,, T, S, Y, F	
<b>Commelinaceae</b>				
<i>Cartonema philydroides</i>			Ba, M, T	
* <i>Tradescantia fluminense</i>			Bo	

Taxon	Prio Code	Geographic Range	Recorded Areas	33
<b>Convolvulaceae</b>				
# <i>Wilsonia backhousei</i>			91	
# <i>Wilsonia humilis</i>			91	
<b>Crassulaceae</b>				
<i>Crassula colorata</i>			P, Ba, Y, F, 91	
<i>Crassula exserta</i>			F, 91	
* <i>Crassula glomerata</i>			Ma, F, 91	
<i>Crassula pedicellosa</i>			F	
<b>Cucurbitaceae</b>				
* <i>Citrullus lanatus</i>			MG	
* <i>Cucumis myriocarpus</i>			S, MG	
<b>Cuscutaceae</b>				
* <i>Cuscuta epithymum</i>			Ba	
<b>Cyperaceae</b>				
<i>Baumea arthrophylla</i>			Ba, T	
<i>Baumea articulata</i>			P, Ba, M, T, S, F	
<i>Baumea juncea</i>			T, Y, F	
<i>Baumea preissi</i>			Ba, T	
<i>Baumea riparia</i>			Ba, T	
<i>Baumea rubigenosa</i>			Ba, T	
<i>Bolboschoenus caldwellii</i>			Ba, T, MG	
<i>Carex preissii</i>			F	
* <i>Cyperus congestus</i>			Ba, T, S, Y, MG	
* <i>Cyperus eragrostis</i>			Y	
<i>Cyperus polystachyos</i>			Ba, T	
* <i>Cyperus rotundus</i>			Bo, MG	
* <i>Cyperus tenellus</i>			P	
* <i>Cyperus tenuiflora</i>			Bo, M	
# <i>Eleocharis sphacelata</i>			K	
# <i>Fimbristylis vilata</i>			M, S	
<i>Gahnia trifida</i>			Ma, MG, F, MB	
<i>Isolepis cernua</i>			F, 91	
<i>Isolepis marginata</i>			Ba, T, F	
<i>Lepidosperma angustatum</i>			M, S, Y, F, 91	
<i>Lepidosperma costale</i>			Ba, T	
<i>Lepidosperma drummondii</i>			M	
# <i>Lepidosperma gracile</i>			M	
<i>Lepidosperma longitudinale</i>			Ba, Bo, M, T, S, F	

Taxon	Prio Code	Geographic Range	Recorded Areas	34
<i>Lepidosperma scabrum</i>			Ba, T, S	
<i>Lepidosperma</i> sp. (Coastal terete BJK & NG 231)			F	
<i>Lepidosperma tenue</i>			M, S	
<i>Lepidosperma squamatum</i>			Y, F	
<i>Mesomelaena pseudostygia</i>			P, Ba, M, T, S, Y, F	
<i>Mesomelaena tetragona</i>			P	
<i>Schoenus</i> aff. <i>laevigatus</i>			F	
<i>Schoenus brevisetis</i>			F	
<i>Schoenus brevifolius</i>			Ba, T	
<i>Schoenus clandestinus</i>			Ba, Y, F	
<i>Schoenus curvifolius</i>			Ba, M, T, S, Y, F	
<i>Schoenus grandiflorus</i>			Ba, T, S, Y, 91	
<i>Schoenus rodwayanus</i>			F	
<i>Schoenus subflavus</i>			Ba, T	
<i>Tetraria octandra</i>			P, M, Y, F	
<b>Dasyogonaceae</b>				
<i>Acanthocarpus preissii</i>			F, 91	
<i>Calectasia cyanea</i>			Ba, M, T, S	
<i>Dasyogon bromeliifolius</i>			P, Ba, M, T, S, F	
<i>Lomandra caespitosa</i>			F	
<i>Lomandra hermaphrodita</i>			F	
<i>Lomandra integra</i>			M	
<i>Lomandra maritima</i>			Ma, F, 91	
<i>Lomandra micrantha</i>			Ba	
<i>Lomandra nigricans</i>			Ba, T, F	
<i>Lomandra preissii</i>			F	
<i>Lomandra suaveolens</i>			Ba, M, F	
<b>Dennstaedtiaceae</b>				
<i>Pteridium esculentum</i>			Bo, T, S, P, H, N	
<b>Dilleniaceae</b>				
<i>Hibbertia acerosa</i>			91	
<i>Hibbertia huegelii</i>			Ba, M, T, Y, F	
<i>Hibbertia hypericoides</i>			P, Ba, M, T, S, Y, Ma F, 91	
<i>Hibbertia racemosa</i>			P, Ba, M, T, S, Y, F, 91	
<i>Hibbertia spicata</i> subsp. <i>leptotheca</i>	3	S Yalgorup	F, 91	
<i>Hibbertia stellaris</i>			P, M	
<i>Hibbertia subvaginata</i>			M, T, F	

Taxon	Prio Code	Geographic Range	Recorded Areas	35
<b>Droseraceae</b>				
<i>Drosera erythrorhiza</i>			Ba, M, T, S, Y, F	
<i>Drosera gigantea</i> subsp. <i>gigantea</i>			P	
<i>Drosera glanduligera</i>			Ba, M, T	
<i>Drosera macrantha</i>			Ba, M, T, S, F	
<i>Drosera menziesii</i> subsp. <i>penicillaris</i>			P, Ba, M, T, F	
<i>Drosera paleacea</i>			Ba, M, Y, F	
<i>Drosera pallida</i>			Ba, M, Y, F	
<i>Drosera stolonifera</i>			M, Y, F	
<b>Epacridaceae</b>				
<i>Acrotriche cordata</i>			91	
<i>Astroloma pallidum</i>			Ba, M, T, S, Y, F	
<i>Brachyloma preissii</i>			Ba, M, F	
<i>Conostephium pendulum</i>			P, T, S, Y, F	
<i>Conostephium preissii</i>			Ba, M, T, Y	
<i>Leucopogon australis</i>			P, M, 91	
<i>Leucopogon conostephioides</i>			Ba, M, T, Y	
<i>Leucopogon gracillimus</i>			F	
<i>Leucopogon oxycedrus</i>			Ba	
<i>Leucopogon parviflorus</i>			M, Ma, F	
<i>Leucopogon propinquus</i>			Ba, Bo, M, T, S, Y, F	
<i>Leucopogon racemulosus</i>			M, F	
<i>Lysinema ciliatum</i>			P, Ba, M, T, S	
<b>Euphorbiaceae</b>				
* <i>Euphorbia peplus</i>			Ba, T, Y, Ma, MG, F, 91	
* <i>Euphorbia terracina</i>			Y, Ma, 91	
<i>Monotaxis grandiflora</i>			P, Ba, M	
<i>Monotaxis occidentalis</i>			Ba, Y	
<i>Phyllanthus calycinus</i>			Ba, M, T, S, Ma, F, 91	
<i>Poranthera microphylla</i>			Ba, F	
* <i>Ricinus communis</i>			Y, MG	
<b>Fagaceae</b>				
* <i>Quercus suberus</i>			P	
* <i>Quercus</i> sp.			S	
<b>Frankeniaceae</b>				
<i>Frankenia pauciflora</i>			91	
<b>Fumariaceae</b>				
* <i>Fumaria capreolata</i>			Ba, T	

Taxon	Prio Code	Geographic Range	Recorded Areas	36
* <i>Fumaria muralis</i>			Ba, T	
<b>Gentianaceae</b>				
* <i>Centaurium erythraea</i>			F	
* <i>Centaurium spicatum</i>			Ba	
<b>Geraniaceae</b>				
* <i>Erodium botrys</i>			Ba, T	
* <i>Erodium cicutarium</i>			Ba, T, F, 91	
* <i>Geranium molle</i>			Ba, T, F, 91	
* <i>Pelargonium capitatum</i>			P, T, S, Ma, MG, F, 91	
* <i>Pelargonium domesticum</i>			Bo	
<i>Pelargonium littorale</i>			F	
<b>Goodeniaceae</b>				
<i>Dampiera linearis</i>			P, Ba, M, T, S, F	
# <i>Dampiera triloba</i>			M	
<i>Goodenia ?pulchella</i>			Ba, M, T	
# <i>Lechenaultia biloba</i>		W	M	
<i>Lechenaultia expansa</i>			Ba, T	
<i>Lechenaultia floribunda</i>			P, M, S, Y	
<i>Lechenaultia linarioides</i>		S	Spectacle S	
<i>Scaevola canescens</i>			Ba, M, T, S, Y	
<i>Scaevola crassifolia</i>			91	
<i>Scaevola globulifera</i>			M	
<i>Scaevola repens</i>			M, Y	
<b>Haemodoraceae</b>				
<i>Anigozanthos humilis</i>			P, Ba, M, T, S, Y, F	
<i>Anigozanthos manglesii</i>			P, Ba, M, T, S, Y	
<i>Anigozanthos viridis</i>			T	
<i>Conostylis aculeata</i>			P, Ba, M, T, S, Y, F, 91	
<i>Conostylis candicans</i>			P, M, T, F	
<i>Conostylis setigera</i>			P, Ba, M, T, Y, F	
<i>Haemodorum paniculatum</i>			Ba, M, T, Y	
<i>Haemodorum spicatum</i>			Ba, Bo, T, Y	
<i>Phlebocarya ciliata</i>			P, Ba, M, T, S, F	
<i>Tribonanthes ?uniflora</i>			P	
<b>Gyrostemonaceae</b>				
<i>Tersonia cyathiflora</i>			MB	
<b>Haloragaceae</b>				
<i>Glischrocaryon aureum</i>			Ba	

Taxon	Prio Code	Geographic Range	Recorded Areas	37
Gonocarpus cordiger			Ba	
Gonocarpus pithyoides			F	
Myriophyllum crispatum			Ba	
Myriophyllum integrifolia			Ba	
<b>Iridaceae</b>				
* Chasmanthe floribunda			S	
* Gladiolus caryophyllaceus			P, Ba, M, T, S, Y, F, 91	
* Homeria flaccida			Ba, Y, F, 91	
* Ixia paniculata			Ba	
Patersonia occidentalis			P, Ba, M, T, S, Y, F	
Patersonia occidentalis (swamp form)			N	
* Romulea rosea			Ba, M, T, S, Y, F, 91	
* Tritonia sp.			B	
<b>Juncaceae</b>				
* Juncus acutus			MG, C	
* Juncus articulatus			Ba	
* Juncus bufonius			Ba	
Juncus caespiticiosus			Ba	
Juncus kraussii			MG, Ma	
Juncus pallidus			P, Bo, M, T, S, Y	
Luzula meridionalis			Ba, T	
<b>Juncaginaceae</b>				
Triglochin calcitrapum			91	
Triglochin procerum			Ba, M, T, F	
<b>Lamiaceae</b>				
# Hemigenia sericea			MB	
Hemiandra pungens			P, Ba, M, T	
* Stachys arvensis			Ba	
<b>Lauraceae</b>				
Cassytha flava			F, 91	
Cassytha glabella			M	
Cassytha pubescens			91	
Cassytha racemosa			Ba, M, T, F, 91	
<b>Lemnaceae</b>				
Lemna disperma			Ba	
<b>Lobeliaceae</b>				
Lobelia alata			F	
Lobelia tenuior			F	

Taxon	Prio Code	Geographic Range	Recorded Areas	38
<b>Loganiaceae</b>				
Mitrasacme paradoxa			Ba	
<b>Loranthaceae</b>				
Nuytsia floribunda			P, Ba, Bo, M, T	
<b>Lythraceae</b>				
* Lythrum hyssopifolia			Ba	
<b>Malvaceae</b>				
Allogyne huegelii var. glabrescens		S Manning L.	Ma	
* Lavatera plebeia		in Metro area in Yalgoo	MG, 91	
Lawrenzia spicata			91	
* Malva parviflora			MG	
<b>Menyanthaceae</b>				
Villarsia albiflora			Ba	
Villarsia ?capitata			Ba, T	
<b>Mimosaceae</b>				
Acacia cochlearis			Ba, T, Y, F	
Acacia cyclops			Ba, M, T, Y, MG, 91	
Acacia huegelii			Ba, M, T, Y, MG, 91	
Acacia lasiocarpa var. lasiocarpa			F, 91	
* Acacia longifolia			Y, Bl	
Acacia pulchella			P, Ba, Bo, M, T, Y, MG, F, 91	
Acacia rostellifera			T, Ma, F, 91	
Acacia saligna			P, Ba, Bo, M, T, Y, MG, Ma, F, 91	
Acacia stenoptera			Ba, M, T, S, Y, F	
Acacia truncata			Ma, 91	
Acacia willdenowiana			P, M, T, Y	
<b>Molluginaceae</b>				
Macarthuria australis			Ba, T	
<b>Moraceae</b>				
* Ficus carica			MG, H, Ma	
* Morus nigra			MG, Ma, S	
<b>Myoporaceae</b>				
Eremophila glabra			F, 91	
Myoporum insulare			91	
<b>Myrtaceae</b>				
Agonis linearifolia			M, N, H	
Astartea aff. fascicularis			Ba, Bo, M, T, S, Y, F	
Baekkea camphorosmae			Ba, T, S	

Taxon	Prio Code	Geographic Range	Recorded Areas	39
<i>Beaufortia elegans</i>			M	
<i>Calothamnus lateralis</i>			P	
<i>Calothamnus quadrifidus</i>			Ma, 91	
<i>Calytrix angulata</i>			Ba, T, S	
<i>Calytrix flavescens</i>			Ba, M, T, F	
<i>Calytrix fraseri</i>			Ba, M, T, F	
* <i>Chamelaucium uncinatum</i>	S	Bold Park	P, M, Ma, Y	
<i>Eremaea ?asterocarpa</i>			Ba, T	
<i>Eremaea pauciflora</i>			Ba, M, T	
<i>Eucalyptus calophylla</i>			P, Ba, M, S, Y, F	
* <i>Eucalyptus citriodora</i>			P	
<i>Eucalyptus decipiens</i>			Ma, MB, 91	
<i>Eucalyptus gomphocephala</i>			Ba, M, T, S, Y, Ma, MG, MB, Ma, F	
<i>Eucalyptus marginata</i>			P, Ba, M, T, S, Y, F	
<i>Eucalyptus rudis</i>			P, Ba, Bo, M, T, S, Y, F	
<i>Eucalyptus todtiana</i>			Ba, T, Y, F	
<i>Hypocalymma angustifolium</i>			P, Ba, M, T, F	
<i>Hypocalymma robustum</i>			P, Ba, M, T, S, Y, F	
<i>Kunzea ericifolia</i>			Ba, M, T, S, Y, F	
* <i>Leptospermum laevigatum</i>			P, M, S, Y, MG	
<i>Melaleuca acerosa</i>			Ma, F, 91	
<i>Melaleuca cuticularis</i>			Co, MG	
<i>Melaleuca huegelii</i>			Ma, MB, 91	
<i>Melaleuca incana</i>			S	
* <i>Melaleuca lanceolata</i>			Ma	
<i>Melaleuca lateritia</i>			P, M, Ro, S, F	
<i>Melaleuca preissiana</i>			Ba, Bo, M, T, S, Y, F	
<i>Melaleuca raphiophylla</i>			P, Bo, M, S, Y, Ma, MG, Co, Ma, F	
<i>Melaleuca seriata</i>			Ba, M	
<i>Melaleuca teretifolia</i>			P, Ba, Bo, M, T, S, MG, F	
<i>Melaleuca thymoides</i>			P, Ba, M, T, F	
<i>Melaleuca viminea</i>			MG	
<i>Pericalymma ellipticum</i>			P, Ba, M, F	
<i>Regelia inops</i>			M	
<i>Scholtzia involucrata</i>			Ba, M, T, S, F	
<i>Verticordia drummondii</i>			Ba, T	
<b>Oleaceae</b>				
* <i>Olea europea</i>			MG	

Taxon	Prio Code	Geographic Range	Recorded Areas	40
<b>Onagraceae</b>				
Epilobium billardierianum			Ba, F	
Epilobium hirtigerum			Ba, F	
* Oenothera stricta			MG	
<b>Orchidaceae</b>				
Caladenia deformis			Ba, T, S, Y	
Caladenia denticulata			Ba, T	
Caladenia discoidea			Ba, T	
Caladenia flava			P, Ba, T, S, Y, F	
Caladenia gemmata			Ba, T	
Caladenia latifolia			Ba, T, Y, F, 91	
Caladenia longicauda			Ba, M, T	
Caladenia ?paludosa			Ba, M, T	
Diuris emarginata			Ba, T	
Diuris longifolia			P, Ba, M, T, F	
Elythranthera brunonis			P, Ba, M, T, F	
Elythranthera emarginata			M	
# Epiblema grandiflorum			Ba	
Leporella fimbriata			M	
Lyperanthus nigricans			Ba, M, Y	
Microtis media			Ba, M, T, Y, F	
* Monadenia bracteata			F, 91	
Prasophyllum fimbria			Ba	
Prasophyllum ovale			Ba, T	
Prasophyllum parvifolium			Ba	
Pterostylis aff. nana			M, T	
Pterostylis recurva			Ba	
Pterostylis scabra var. robusta			M	
Pterostylis vittata			M, S, Y	
Thelymitra benthamiana			F	
Thelymitra campanulata			Ba, M, T	
Thelymitra crinita			M	
<b>Orobanchaceae</b>				
* Orobanche minor			Ba, M, Y	
<b>Oxalidaceae</b>				
* Oxalis pes-caprae			Ba, T	
* Oxalis purpurea			Ba, T	

Taxon	Prio Code	Geographic Range	Recorded Areas	41
<b>Papilionaceae</b>				
<i>Aotus cordifolia</i>			P, Ba, M	
<i>Aotus gracillima</i>			P, Ba, M, T	
<i>Aotus procumbens</i>			M, Y	
<i>Bossiaea eriocarpa</i>			P, Ba, M, , S, YTF	
? <i>Callistachys lanceolata</i>			P	
* <i>Cystus prolifera</i>			M	
<i>Daviesia decurrens</i>			Ba, M, T, Y	
<i>Daviesia divaricata</i>			P, M, Y, F	
<i>Daviesia nudiflora</i>			Ba, M, T, Y	
<i>Daviesia physodes</i>			P, BL, Ba, M, T, S	
<i>Daviesia triflora</i>			P, Ba, M, T, S, Y, F	
<i>Eutaxia virgata</i>			E, Ba, M	
<i>Gompholobium confertum</i>			M	
<i>Gompholobium tomentosum</i>			P, Ba, M, T, S, Y, F	
<i>Hardenbergia comptoniana</i>			P, Ba, Bo, M, T, S, Y, MG, , 91F	
<i>Hovea pungens</i>			P, Ba, M, T, S, F	
<i>Hovea trisperma</i>			Ba, M, T, S, F	
<i>Isotropis cuneifolia</i>			Ba, M, T, S, Y, F	
<i>Jacksonia aff. sericea</i> (swamp form)	eP		N	
<i>Jacksonia furcellata</i>			P, Ba, Bo, M, T, S, Y, 91	
<i>Jacksonia sternbergiana</i>			P, Ba, Bo, M, T, S, Y, F	
<i>Kennedia coccinea</i>			91	
<i>Kennedia prostrata</i>			P, Ba, Bo, M, T, S, Y, F	
<i>Latrobea tenella</i>			Ba, M	
* <i>Lupinus angustissimus</i>			Y, MG	
* <i>Lupinus cosentinii</i>			Ba, T, S, Y, MG	
* <i>Medicago polymorpha</i>			Ba, T	
* <i>Melilotus indicus</i>			Ba, T, MG, F, 91	
<i>Nemcia capitata</i>			P, Ba, M, T, S, Y, F	
<i>Nemcia reticulata</i>			F, 91	
* <i>Ornithopus sativus</i>			Ba	
<i>Oxylobium lineare</i>			P, M	
<i>Pultenaea ochreatea</i>			Ba, M, T, S	
<i>Pultenaea reticulata</i>			P, Ba, T, S, F	
<i>Sphaerolobium vimineum</i>			Ba, M, F	
<i>Templetonia retusa</i>			Ma, MG	
* <i>Trifolium angustifolium</i>			Ba	

Taxon	Prio Code	Geographic Range	Recorded Areas	42
* <i>Trifolium arvense</i>			MG	
* <i>Trifolium campestre</i>			Ba, T, Y, F, 91	
* <i>Trifolium cernuum</i>			Ba, F, 91	
* <i>Trifolium dubium</i>			Ba, T	
* <i>Trifolium glomeratum</i>			Ba	
* <i>Trifolium pratense</i>			Ba, t	
* <i>Vicia hirsuta</i>			Ba, T	
* <i>Vicia sativa</i>			P, Ba, M, T, M, F	
<i>Viminaria juncea</i>			Ba, M, T, S	
<b>Phytolaccaceae</b>				
* <i>Phytolacca octandra</i>			91	
<b>Phormiaceae</b>				
<i>Dianella revoluta</i>			P, Ba, Bo, M, T, S, Y, MG, 9	
<b>Pinaceae</b>				
* <i>Pinus pinaster</i>			P, Ma	
<b>Pittosporaceae</b>				
<i>Pittosporum phylliraeoides</i>			MG	
<i>Pronaya fraseri</i>			Ba, M	
<i>Sollya heterophylla</i>			MG	
<b>Plantaginaceae</b>				
* <i>Plantago lanceolata</i>			MG	
<b>Poaceae</b>				
* <i>Aira caryophyllea</i>			Ba, Y, F, 91	
* <i>Aira cupaniana</i>			Ba	
* <i>Aira praecox</i>			Ba	
<i>Amphipogon laguroides</i>			Ba, M, T, F	
<i>Amphipogon turbinatus</i>			Ba, M, T, F	
* <i>Arundo donax</i>			Y, MG	
* <i>Avellinia michelii</i>			F	
* <i>Avena barbata</i>			P, Ba, T, F, 91	
* <i>Avena fatua</i>			Y, MG, F	
* <i>Briza maxima</i>			P, Ba, T, S, Y, F, 91	
* <i>Briza minor</i>			P, Ba, T, S, Y, MG, F, 91	
* <i>Bromus diandrus</i>			F, 91	
* <i>Bromus hordeaceus</i>			F, 91	
* <i>Catapodium rigidum</i>			91	
* <i>Cortaderia selleana</i>			T	
<i>Cynodon dactylon</i>			Bo, T, S, Y, MG	

Taxon	Prio Code	Geographic Range	Recorded Areas	43
Danthonia occidentalis			Ba, T, F, 91	
Deyeuxia quadriseta			Ba, T, F	
* Diandrus gussonii			Ba, T	
Dichelachne crinita			F	
* Digitaria sanguinalis			Ba	
* Echinochloa crus-galli			MG	
* Ehrharta calycina			P, Ba, Bo, T, S, Y, MG, F, 91	
* Ehrharta longiflora			Ba, T, Y, F	
Hemarthria uncinata			Ba, T	
* Holcus setiger			F	
* Hordeum leporinum			Y	
* Lagurus ovatus			Ba, T, Y, MG, F, 91	
* Lolium multiflorum			91	
* Lolium perenne			Ba, T	
* Lolium rigidum			Y, F	
Microlaena stipoides			Ba, T, F	
* Paspalum dilatatum			MG	
* Paspalum distichum			Y, MG	
* Paspalum vaginatum			Ba, T, Y	
* Pennisetum clandestinum			Bo, S, Y, MG, Ma	
* Phalaris minor			91	
* Poa annua			F	
Poa drummondiana			Ba, T, 91	
Poa poiformis/porphyroclados			Ba, F, 91	
* Polypogon monspeliensis			Ba, T	
* Rhynchelytrum repens			Y	
* Secale cereale			MG	
Sporobolus virginicus			Y, F, 91	
Spinifex longifolius			91	
* Stenotaphrum secundatum			Ba, Bo, T, MG	
Stipa compressa			Ba, T, Y, F	
Stipa flavescens			Ba, T, Y, 91	
Stipa semibarbata			Ba, T	
Stipa variabilis			Ba, T	
* Vulpia bromoides			Ba, T, F	
* Vulpia myuros			Ba, F, 91	
<b>Polygalaceae</b>				
Comesperma calymega			Ba, M, T, F	

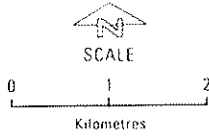
Taxon	Prio Code	Geographic Range	Recorded Areas	44
<i>Comesperma confertum</i>			F, 91	
<i>Comesperma flavum</i>			Ba	
<i>Comesperma virgatum</i>			Ba, M, T	
<b>Polygonaceae</b>				
* <i>Emex austrilis</i>			MG, Ma	
<i>Muehlenbeckia polybotrya</i>			Ba, T	
* <i>Polygonum aviculare</i>			MG, Ma	
<i>Polygonum salicifolium</i>			Bl, Bo, T	
* <i>Rumex acetosella</i>			Ba, T	
* <i>Rumex crispus</i>			Ba, T	
<b>Portulacaceae</b>				
<i>Calandrinia calyptrata</i>			F	
<i>Calandrinia corrigioloides</i>			Ba, T, F, 91	
<i>Calandrinia granulifera</i>			Ba	
<i>Calandrinia liniflora</i>			Y	
<i>Portulaca oleracea</i>			MG	
<b>Primulaceae</b>				
* <i>Anagallis arvensis</i>			P, Ba, M, T, S	
<i>Samolus junceus</i>			F, 91	
<i>Samolus repens</i>			F, 91	
<b>Proteaceae</b>				
<i>Adenanthos cygnorum</i>			P, Ba, M, T, S	
<i>Adenanthos obovatus</i>			S	
<i>Banksia attenuata</i>			P, Ba, Bo, M, T, S, Y, F, 91	
<i>Banksia grandis</i>			Ba, M, T, Y	
<i>Banksia ilicifolia</i>			P, Ba, Bo, M, T, Y, F	
<i>Banksia littoralis</i>			P, Ba, Bo, M, T, F	
<i>Banksia menziesii</i>			P, Ba, Bo, M, T, S, Y, F, 91	
<i>Conospermum stoechadis</i>			Ba	
<i>Conospermum triplinervium</i>			Ba, T	
<i>Dryandra nivea</i>			Ba, T, S, Y, Ma, F, 91	
<i>Dryandra sessilis</i>			M, T, Y, Ma, F, 91	
<i>Grevillea preissii</i>			Ma, F, 91	
<i>Grevillea vestita</i>			Ba, Y, 91	
<i>Hakea lissocarpha</i>			Ba, S, 91	
<i>Hakea prostrata</i>			Ba, M, T, Y, Ma, F, 91	
<i>Persoonia saccata</i>			P, Ba, T, S, Y	
<i>Petrophile brevifolia</i>			Y	

Taxon	Prio Code	Geographic Range	Recorded Areas	45
<i>Petrophile linearis</i>			P, Ba, M, T, S, Y, F	
<i>Petrophile serruriae</i>			F, 91	
<i>Stirlingia latifolia</i>			P, Ba, M, T, S, Y, F	
<i>Synaphea spinulosa</i>			P, Ba, M, T, S, Y	
<i>Xylomelum occidentale</i>			Ba, M	
<b>Ranunculaceae</b>				
<i>Clematis pubescens</i>			Ba, M, T, Ma	
* <i>Ranunculus muricatus</i>			Ba, M, T	
<b>Restionaceae</b>				
<i>Alexgeorgea nitens</i>			Y	
# <i>Empodisma gracillimum</i>			M	
<i>Hypolaena exsulca</i>			Ba, M, T, F	
<i>Leptocarpus aristatus</i>			P, M, Y	
<i>Leptocarpus coangustatus</i>			F	
<i>Leptocarpus scariosus</i>			Ba	
<i>Lepyrodia muirii</i>			Ba, T	
<i>Loxocarya flexuosa</i>			M, S, Y, F, 91	
<i>Loxocarya pubescens</i>			Ba, T, S	
<i>Lyginia barbata</i>			P, M, T, S, Y	
<i>Restio stenostachyus</i>			Ba, T	
<b>Rhamnaceae</b>				
<i>Cryptandra mutila</i>			F, 91	
<i>Spyridium globulosum</i>			Ma, 91	
<b>Rubiaceae</b>				
* <i>Galium aparine</i>			F, 91	
* <i>Galium murale</i>			F	
<i>Opercularia hispidula</i>			Ba, F	
<i>Opercularia vaginata</i>			Ba, M, S, Y, F, Ma	
<b>Rutaceae</b>				
<i>Boronia crenulata</i>			Ba, M, T, F	
<i>Boronia ramosa</i>			M	
<i>Eriostemon spicatus</i>			P, Ba, M, T, S, Y, F	
<b>Salicaceae</b>				
* <i>Salix babylonica</i>			Bl, Bo, MG	
<b>Santalaceae</b>				
<i>Dodonaea aptera</i>			Y	
<i>Dodonaea hackettiana</i>	4	eW	Ba, T, S	
<i>Exocarpos sparteus</i>			Ba, Bo, M, T, S	

Taxon	Prio Code	Geographic Range	Recorded Areas	46
<i>Leptomeria cunninghamii</i>			F	
<i>Leptomeria empetriformis</i>			Ba, T	
<i>Leptomeria spinosa</i>			Ba	
<i>Santalum acuminatum</i>			Ba, 91	
<b>Scrophulariaceae</b>				
* <i>Bellardia trixago</i>			Ba, F	
* <i>Cymbalaria muralis</i>			Ba	
* <i>Dischisma arenarium</i>			Ba, F	
<i>Gratiola peruviana</i>			Ba	
* <i>Parentucellia latifolia</i>			Ba	
* <i>Parentucellia viscosa</i>			Ba, M, F, 91	
* <i>Verbascum virgatum</i>			M, T, 91	
* <i>Veronica arvensis</i>			F	
<b>Solanaceae</b>				
* <i>Nicotiana glauca</i>			Y, MG, 91	
* <i>Solanum nigrum</i>			Ba, T, S, MG, 91	
<i>Solanum symonii</i>			Y, MG, 91	
<b>Stackhousiaceae</b>				
<i>Stackhousia monogyna</i>			P, Ba, MG	
<b>Sterculiaceae</b>				
<i>Thomasia cognata</i>			F, 91	
<b>Stylidiaceae</b>				
<i>Levenhookia pusilla</i>			F	
<i>Levenhookia stipitata</i>			Ba, M, F	
<i>Stylidium brunonianum</i>			P, Ba, M, T, Y	
<i>Stylidium bulbiferum</i>			F, 91	
<i>Stylidium calcaratum</i>			Ba, M	
<i>Stylidium junceum</i>			P, Ba, T	
<i>Stylidium piliferum</i>			Ba, M, T, S, F	
<i>Stylidium repens</i>			Ba, M, T, F	
<i>Stylidium schoenoides</i>			Ba, M, T, Y, F	
<b>Thymelaeaceae</b>				
<i>Pimelea angustifolia</i>			Ba, M, T	
<i>Pimelea calcicola</i>			Ma, F, 91	
<i>Pimelea rosea</i>			P, Bo, M, T, S, Y, F	
<i>Pimelea sulphurea</i>			M, Y, F	
<b>Tropaeolaceae</b>				
* <i>Tropaeolum majus</i>			Y	

Taxon	Prio Code	Geographic Range	Recorded Areas	47
<b>Tremandraceae</b>				
Platytheca galioides			Ba, M, T	
<b>Typhaceae</b>				
Typha domingensis			Ba, T, S	
* Typha orientalis			Y, MG	
<b>Urticaceae</b>				
Parietaria debilis			91	
<b>Verbenaceae</b>				
* Lantana camera			Y	
<b>Violaceae</b>				
Hybanthus calycinus			P, Ba, M, T, S, Y, F, 91	
<b>Vitaceae</b>				
* Vitus vinifera			MG	
<b>Xanthorrhoeaceae</b>				
Xanthorrhoea brunonis			S	
Xanthorrhoea preissii			P, Ba, Bo, M, T, S, Ma, MG, F	
<b>Zamiaceae</b>				
Macrozamia riedlei			Ba, Bo, M, S, Y, F, 91	
<b>Zygophyllaceae</b>				
Zygophyllum fruticosum	S	Port Kennedy	91	
* Tribulus terrestris			MG	

Prepared by the Department of Planning  
and Urban Development Perth, Western Australia  
March 1990



INDIAN  
OCEAN

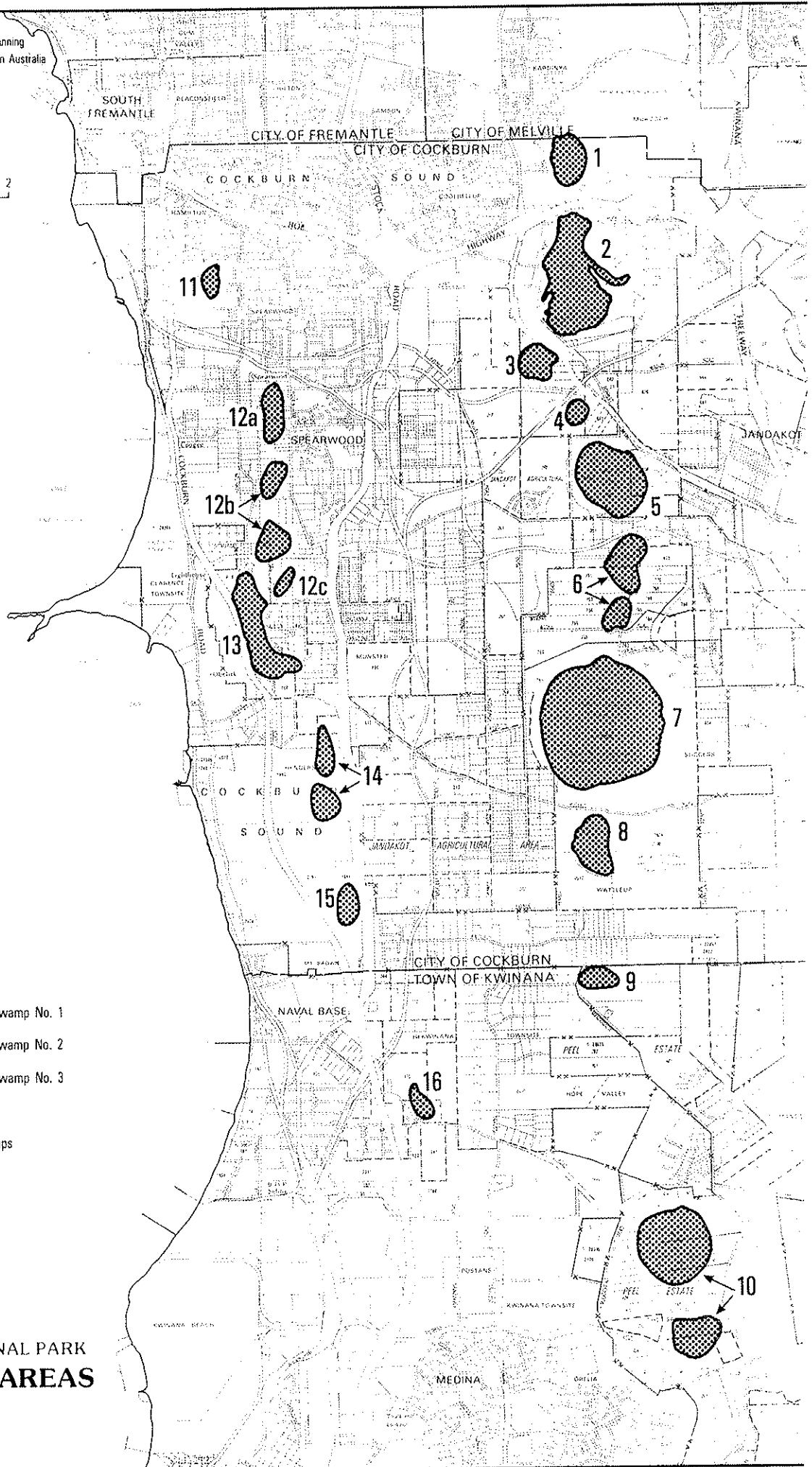
LEGEND



Wetland areas

- 1 North Lake
- 2 Bibra Lake
- 3 South Lake
- 4 Little Rush Lake
- 5 Yangebup Lake
- 6 Kogolup Lake
- 7 Thomsons Lake
- 8 Banganup Lake
- 9 Wattleup Lake
- 10 The Spectacles
- 11 Manning Lake
- 12a Market Garden Swamp No. 1
- 12b Market Garden Swamp No. 2
- 12c Market Garden Swamp No. 3
- 13 Lake Coogee
- 14 Brownman Swamps
- 15 Lake Mt. Brown
- 16 Long Swamp

BEELIAR REGIONAL PARK  
WETLAND AREAS



BS 393 Spear. S

THE COCKBURN WETLANDS :  
AN ENVIRONMENTAL STUDY

**Full document  
available  
on request**

Wattleup Lake + Sayer Rd Swamp

9.12 **WATTLEUP WETLANDS**

B5

**Full document  
available  
on request**

9.12.1 GENERAL INFORMATION

LOCAL AUTHORITY: Town of Kwinana  
MRS ZONE: Rural  
RESERVE NUMBERS: n/a Freehold land - p  
MANAGEMENT: Landowners  
SYSTEM 6 RECOMMENDATION: **M93**  
WETLAND ADVISORY COMMITTEE CLASSIFICATION: LE.f.m.p.so.  
PURPOSE: n/a  
DRAINAGE: n/a

9.12.2 PHYSIOGRAPHY AND GEOLOGICAL SETTING

There appears to be some confusion in the naming of two wetlands in the Wattleup locality: a small wetland north of Wattleup Road is named **Wattleup Swamp** (Australian Map Grid Reference: 389003/6439264) in Water Authority hydrograph records, while a larger area, also in private property east of **Mandogalup Road** (Australian Map Grid Reference: 389020/6438476), is referred to by the Water Authority as **Mandogalup Swamp**. The Cockburn Wetlands Study (1976) described the more southerly wetland as Wattleup Swamp and the System 6 Study made a recommendation, following the Cockburn Wetlands Study terminology.

Both wetlands are situated within the Karrakatta unit of the Spearwood landform, slightly west of the interface of Spearwood and Bassendean landforms. Both areas are situated below the 12 m AHD contour and have been modified by clearing and market gardening.

9.12.3 AREAS

Small wetland north of Wattleup Road and private property east of Mandogalup Road:

Total area of wetland .....	24.5 ha
Paperbark .....	6.1 ha
Sedgeland .....	4.1 ha
Open water zone .....	5.3 ha
Modified wetland .....	9.0 ha

9.12.4 HYDROLOGY (Figure 9.20(a) and 9.20(b))

Both these small wetlands are on the south-western flank of the Jandakot unconfined flow system and are surface expressions of the water table.

Although both wetlands have shown some fall in water level over the last ten years, the falls have been less marked than those observed at Thomsons Lake and other more northern wetlands in the chain.

WILD 1574UA8A  
Nr 13037 152.72

000019



WLD 1574 DA6A  
N: 13037 152.72

000021

-5022-1 268-60 100 0200 0280 56-

000000 003145 20 01 25 60 1304

WILD 1574 UAGA  
Nr 13037 152.72

100010

- 5 0 2 2 - 1 2 6 7 - 5 8 1 0 0 0 2 0 0 0 2 8 0 5 6 -

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WILD 1574 UAGA  
Nr 13037 152.72

000021

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1091 09 60 25 10 12 003141 000000

WILD 1574 UAGA  
Nr 13037 152.72

000023

WILD 1574 UA6A  
Nr 13037 152.72

100027

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