

YILGARN DISTRICT THREATENED FLORA AND COMMUNITIES MANAGEMENT PROGRAM

**Annual Report
2007**

For the Yilgarn District Threatened Flora and Communities Recovery Team
Ben Lullfitz and Ankur Konnur



Figure 1: *Grevillea* sp. Trayning (W. Johnston WJ 071)
(Photo: Wendy Johnston)

Property and copyright of this document is vested jointly in the Director, Threatened Species and Communities Section, Environment Australia and the Executive Director, Western Australia Department of Environment and Conservation

The Commonwealth disclaims responsibility for the views expressed

**Department of Environment and Conservation
PO Box 332 Merredin WA 6415**

TABLE OF CONTENTS

1. SUMMARY OF 2007 KEY RECOVERY ACTIONS	3
2. THREATENED FLORA AND COMMUNITIES RECOVERY TEAM	4
2.1. ROLES AND RESPONSIBILITIES	4
2.2. MEMBERS	4
2.3. RECOVERY TEAM MEETINGS	5
3. FUNDING	7
4. SPECIES AND COMMUNITIES BRANCH – INTERIM RECOVERY PLANS	7
4.1. IRP'S COMPLETED AND AWAITING REGIONAL APPROVAL	7
5. YILGARN DISTRICT THREATENED FLORA MANAGEMENT PROGRAM	8
5.1. YILGARN DISTRICT THREATENED FLORA SCHEDULE	8
6. IMPLIMENTATION OF RECOVERY ACTIONS	8
6.1. CRITICALLY ENDANGERED	8
6.2. ENDNGERED	9
6.3. VULNERABLE	9
6.4. PRESUMED EXTINCT	10
6.5. PRIORITY ONE	10
6.6. PRIORITY TWO	10
6.7. PRIORITY THREE	11
6.8. PRIORITY FOUR	11
7. TRANSLOCATION	11
8. INDUCED RECRUITMENT BURNS	12
9. APPLICATION TO TAKE RARE FLORA	12
10. EDUCATION AND PUBLICITY	12
11. DISTRICT THREATENED FLORA HERBARIUM	12
12. PRIORITY ECOLOGICAL COMMUNITIES	13
13. CONCLUSION	13
APPENDIX 1: YILGARN DISTRICT THREATENED FLORA LIST 2007	14

1. SUMMARY OF 2007 KEY RECOVERY ACTIONS

- Flora survey works in 2007 resulted in the discovery of 18 new populations of rare and priority flora in the Yilgarn district (1 critically endangered, 5 endangered, 4 vulnerable and 8 priority species). These species are:
 - *Acacia caesariata* (VU) new subpopulation,
 - *Aluta aspera* subsp. *localis* (P2) new population,
 - *Banksia sphaerocarpa* var. *dolichostyla* (VU) 2 new populations,
 - *Boronia adamsiana* (VU) new population,
 - *Daviesia microcarpa* (CR) new subpopulation,
 - *Drummondita* sp. Trayning (A.M. George 97) (P2) new species, one population,
 - *Eremophila resinosa* (EN) new population,
 - *Eucalyptus brevipes* (EN) 2 new populations,
 - *Grevillea minutiflora* (P1) 2 new populations,
 - *Grevillea* sp. Trayning (W. Johnston WJ 071) (P1) new species, 3 subpopulations,
 - *Hakea pendens* (P2) new population,
 - *Philothea falcata* (EN) previously thought to be extinct species rediscovered, 2 populations.
- The development of the publication ‘Threatened and Poorly Known Flora of the Yilgarn Region’. This reference book is a joint project between the Department of Environment and Conservation and Avon Catchment Council.
- The inaugural Yilgarn District Threatened Flora and Communities Recovery Team Meeting was held in December 2007 in Mukinbudin.
- Fencing erected for *Frankenia parvula* (population 3) and *Roycea pycnophylloides* (population 14) on private property in the Shire of Kellerberrin.
- Re-stocking of *Symonanthus bancroftii* translocations at Nangeen Hill and Ardath.
- Critical habitat mapping completed for *Isopogon robustus*, *Daviesia microcarpa* and *Philothea basistyla*.
- Weed surveys conducted at *Acacia caesariata* (population 1A, 1B and 1C), *Eremophila resinosa* (population 15, 17A and 17B), *Grevillea dryandroides* subsp. *hirsuta* (population 10) and *Philothea basistyla* (population 1 and 2A).
- Weed control was conducted at *Acacia caesariata* (population 1B), *Philothea basistyla* (population 1 and 2A) and *Eremophila resinosa* (population 17B).

2. THREATENED FLORA AND COMMUNITIES RECOVERY TEAM

2.1 Roles and Responsibilities

The Yilgarn District Threatened Flora and Communities Recovery Team's role is to implement the Yilgarn District Threatened Flora Management Program and relevant Interim Recovery Plans (IRP's). This is coordinated by the Recovery Team and is largely implemented by Conservation Officers in the Department of Environment and Conservation (DEC). The DEC Conservation Officers involved in implementation of these actions in the Yilgarn District during 2007 were Wendy Johnston, Ben Lullfitz, Jasmyn Lynch and Ankur Konnur.

2.2 Members

Table one lists the members that participated in the Recovery Team meeting for Yilgarn District, during 2007. The participation of Recovery Team Members is essential to achieving the goals of the Yilgarn District Threatened Flora Management Program. Members frequently provide invaluable advice, local knowledge and expertise, ensuring recovery actions are implemented in the most effective and efficient manner possible.

Table 1: 2007 Yilgarn District Threatened Flora and Communities Recovery Team Members

Name	Organisation
David Jolliffe	District Nature Conservation Officer, DEC Yilgarn
Andrew Brown	Coordinator (Threatened Flora), DEC Species and Communities Branch
Ben Lullfitz	Conservation Officer, DEC Yilgarn
Ankur Konnur	Conservation Officer (ACC), DEC Yilgarn
Bob Dixon	Botanic Gardens and Parks Authority
Pauline Guest	Avon Catchment Council Deputy Chairperson
Mark Brundrett	University of Western Australia, Research Scientist
Rob Waller	Water Corp, Wyalkatchem
Peter Bothwell	WestNet Rail
Shane Collins	Main Roads WA, Northam
Mary Squire	Community Representative, Mukinbudin
Whispie Bayly	Community Representative, Westonia
Clayton Pritchard	St Barbara Mining Limited, Marvel Loch
Sarah Thomas	St Barbara Mining Limited, Marvel Loch
Tara Read	Recon Environmental, Merredin
Linda Vernon	Trayning NRMO
Jayde Smeeton	Trayning NRM Trainee
Sara Bright	Westonia NRMO
Rohan Chalmers	Westonia CLC

2.3 *Recovery Team Meetings*

The inaugural Yilgarn District Threatened Flora and Communities Recovery Team meeting was held on 6th December 2007 at the Mukinbudin Recreation Complex. The meeting was attended by 19 members.

The meeting was opened by David Jolliffe who gave an overview of the Avon Catchment Council's 'Back from the Edge' program. Updates were provided by Ben Lullfitz, Andrew Brown, Mark Brundrett, Mary Squire and Whispie Bayly, Bob Dixon and Clayton Pritchard.



Figure 2: The inaugural Yilgarn District Threatened Flora and Communities Recovery Team Meeting in Mukinbudin December 6th 2007. (Photo: Ankur Konnur)



Figure 3: The inaugural Yilgarn District Threatened Flora and Communities Recovery Team Meeting in Mukinbudin December 6th 2007. (Photo: Ankur Konnur)

Following the meeting some of the recovery team members participated in a field visit to Mary and John Squire's property in the Mt Marshall shire. Although the property is primarily for agricultural production, the Squire's also manage it for conservation purposes. There are two DRF species and seven priority flora species known to occur on the property as well as some threatened fauna species.



Figure 4: Squire's property field visit – *Eucalyptus brevipes* (Photo: David Jolliffe)



Figure 5: Squire's property field visit – *Boronia adamsiana* (Photo: David Jolliffe)



Figure 6: Squire's property field visit – *Grevillea eriobotrya* (Photo: David Jolliffe)

3. FUNDING

3.1 Avon Catchment Council Funding ‘Back from the Edge’ Project

The Avon Catchment Council (ACC) has provided Commonwealth funding to the DEC Wheatbelt Region in order to implement a range of conservation projects through-out the Avon Basin. This funding is over a three year period with the first round of funding allocated in October 2005. DEC is part of the Avon Natural Diversity Alliance (ANDA) which includes WWF Australia, Greening Australia and the Department of Water.

Threatened species and communities have received funding through the project ‘Back from the Edge: Saving Native Species and Communities Most at Risk’. The aim of this project is to develop a strategic approach to threatened species and community management and to carry out urgent recovery actions. This funding has seen the employment of 1 additional FTE (Conservation Officer) with an additional 2 FTE Conservation Employees to be employed late 2007.

As part of this project Yilgarn district is continuing to implement a range of rare flora recovery actions. These include threatened flora surveys, fencing of rare flora populations, weed control, rare flora translocations, recruitment trials, raising community awareness and engaging the community in flora conservation projects.

4. SPECIES AND COMMUNITIES BRANCH – INTERIM RECOVERY PLANS

The following flora Interim Recovery Plans are in varying stages of completion.

4.1 IRPs completed and awaiting regional approval

- *Acacia sciophanes*
- *Eremophila resinosa*
- *Grevillea dryandroides* subsp. *hirsuta*
- *Acacia lobulata*
- *Daviesia microcarpa*
- *Frankenia parvula*
- *Isopogon robustus*

5. YILGARN DISTRICT THREATENED FLORA MANAGEMENT PROGRAM

5.1 *Yilgarn District Threatened Flora Schedule*

DRF and Priority taxa currently listed in the district as of December 2007, are as follows:

Table 2: Threatened Flora, Yilgarn, December 2007.

DRF	Yilgarn District
CR	11
EN	8
VU	14
X	2
Priority	
1	62
2	52
3	87
4	31

(Please refer to Appendix 1 for the complete list of threatened taxa for the Yilgarn District).

6. IMPLIMENTATION OF RECOVERY ACTIONS

6.1 *Critically Endangered*

Acacia sciophanes

- Inspected and surveyed populations 1A, 1B, 1C and 1D in June and August 2007.

Daviesia microcarpa

- Inspected and surveyed populations 2A, 2B and 2C in October 2007. New sub-population discovered (2D) consisting of one dead plant.
- Induced recruitment proposal written and approved for population 2A.
- Mapping of critical habitat completed in May 2007.
- Liaised with Environmental Officers from St Barbara Mining Limited in regard to conducting the induced recruitment proposal in May 2008.

Gastrolobium diabolophyllum

- Inspected and surveyed populations 1A and 1B in September 2007.
- Landowner of population 1B notified and adjacent landholders of population 1A notified.

Isopogon robustus

- Mapping of critical habitat completed in March 2007.

Philothea basistyla

- Weed survey conducted in July 2007.
- Inspected and surveyed populations 1 and 2A in September 2007.
- Weed control conducted at populations 1 and 2A in August 2007.
- Mapping of critical habitat completed in November 2007.

Symonanthus bancroftii

- Translocation sites restocked in June 2007 in conjunction with Botanic Gardens and Parks Authority.
- Regular inspection and watering of translocation sites in Bruce Rock Shire conducted in 2007.
- Seed collected in November 2007.

6.2 Endangered*Eremophila resinosa*

- Inspected and surveyed populations 1A, 1B, 1C, 6A, 6B, 6C, 6D, 17A and 17B in 2007.
- New population (25) discovered in the shire of Westonia.
- Weed survey conducted at populations 15, 17A and 17B in July 2007.
- Weed control conducted at population 17B in August 2007.

Eremophila virens

- Inspected and surveyed populations 2A, 3A, 6A, 6B, 9, 11 and 13 in 2007.
- Searched for population 1, however no plants were found.

Eremophila viscida

- Inspected and surveyed populations 3, 6, 11A and 11B in 2007.

Eucalyptus brevipes

- Inspected and surveyed populations 2B, 3A and 3B in 2007.
- New populations located in Shire of Mount Marshall and Shire of Westonia.

Frankenia parvula

- Population 3 located on private property was fenced in January 2007 in order to protect the population from grazing by stock.

6.3 Vulnerable*Acacia caesariata*

- Inspected and surveyed populations 1A, 1B and 1C in 2007.
- New population (1D) located on private property consisting of 2 plants.

Acacia denticulosa

- Inspected and surveyed populations 1, 8B, 9, 10, 11 and 13 in 2007.

Banksia sphaerocarpa var. *dolicholstyla*

- Inspected and surveyed populations 4C in 2007.
- Two new populations (19 and 20) located on shire road verges in the shire of Yilgarn consisting of 10 and 3 plants. Shire formally notified of populations.

Boronia adamsiana

- Inspected and surveyed populations 1, 2, 5A, 5B, 6A, 6B, 16A, 16B, 17A, 17B, 23A, 23B and 23C in 2007.
- New population (24) located on private property consisting of 37 plants.

Myriophyllum lapidicola

- Searched for population 6 however due to a dry year there was insufficient water available.

Roycea pycnophylloides

- Population 14 located on private property was fenced in January 2007 in order to protect the population from grazing by stock.

6.4 Presumed Extinct

Philothea falcata

- Rediscovered in the shire of Yilgarn. Two populations (1 and 2), one in a C class reserve and the other in UCL consisting of 75 and 20 plants.

6.5 Priority One

Gastrolobium tenue

- One population inspected and surveyed in the shire of Bruce Rock in 2007.

Grevillea minutiflora

- Inspected and surveyed populations 1, 4A, 4B, 5A, 5B, 5C, 7, 8, 9A and 9B in 2007.
- Two new populations located in the shire of Mukinbudin, one on private property consisting of 50+ plants and one on a rail reserve consisting of 18+ plants.

Grevillea sp. Trayning (W. Johnston WJ071)

- New species discovered in the shire of Trayning consisting of 3 sub-populations.

Grevillea squiresiae

- One population inspected and surveyed in the shire of Mukinbudin in 2007.

Philothea langei

- Two populations inspected and surveyed in the shire of Westonia in 2007.
- Specimen collected for the Yilgarn District Herbarium.

Verticordia roei subsp. *meiogona*

- Two populations inspected and surveyed in the shire of Mt Marshall in 2007.

6.6 Priority Two*Acacia lirellata* subsp. *compressa*

- Inspected and surveyed population 5 in 2007.

Aluta aspera subsp. *localis*

- New population discovered on private property in the shire of Mt Marshall.

Drummondita sp. Trayning (A. M. George 97)

- New species discovered in the shire of Trayning.

Eremophila adenotricha

- One population inspected and surveyed in the shire of Yilgarn in 2007.

Hakea pendens

- A number of new populations located in the shire of Yilgarn in 2007.

6.7 Priority Three*Calytrix plumulosa*

- One population inspected and surveyed in the shire of Mt Marshall in 2007.

Grevillea eriobotrya

- One population inspected and surveyed in the shire of Mt Marshall in 2007.

6.8 Priority Four*Acacia merrickiae*

- Inspected and surveyed population 8, 12A and 12B in 2007.
- Met with Works Coordinator from the shire of Kellerberrin to ensure no plants in population 12A and 12B were damaged during roadworks.

Eucalyptus caesia subsp. *magna*

- One population inspected and surveyed in the shire of Trayning in 2007.

7. TRANSLOCATIONS*Symonanthus bancroftii*

- Ongoing maintenance and watering at the Nangeen Hill site is conducted by the neighbouring landowner (McDonald's), BGPA and DEC. Survival rates at the Nangeen Hill site have been low.

- At the Ardath site the maintenance and watering is done by the Bruce Rock Shire, BGPA and DEC.
- Re-stocking was done at both sites in June 2007.

Eremophila resinosa

- The Westonia translocation site is watered and monitored by the Westonia Shire, BGPA and DEC.

8. INDUCED RECRUITMENT PRESCRIBED BURNS

Daviesia microcarpa

- Induced recruitment proposal written and approved for population 2A in March 2007.
- Liaised with Environmental Officers from St Barbara Mining Limited in regard to conducting the induced recruitment proposal in autumn 2008.

9. APPLICATION TO TAKE RARE FLORA

Eremophila resinosa

- MRWA obtained a permit to take 4 plants (population 6) growing on the north side of Gt Eastern Hwy during realignment of the highway in 2007.

10. EDUCATION AND PUBLICITY

The following activities have taken place in order to increase community awareness of threatened flora within the Yilgarn district:

- Development of the 'Threatened and Poorly Known Flora of the Yilgarn Region' book to be launched mid 2008.
- 7 'Have you seen this plant?' postcards produced, printed and sent out to relevant landholders.
- DRF training for selected staff at St Barbara Mining Limited was conducted in January 2007.
- A basic flora ID workshop was conducted in Mukinbudin for community members in May 2007. This included presentations from Neville Marchant and Margaret Wheeler.
- Two media articles were published in the Merredin Wheatbelt Mercury in 2007 – one for the *Symonanthus bancroftii* translocation site and prior to the mail out of the 'Have you seen this plant?' postcards.

11. DISTRICT THREATENED FLORA HERBARIUM

- The collection and curation of 3 DRF species and 9 priority species occurred in the Yilgarn district in 2007.

- Various other collections made in conjunction with flora monitoring and surveying have been included in the herbarium.
- A catalogue system for the Yilgarn district herbarium has been created.
- The Mukinbudin Regional Herbarium was created in 2007 as a joint project between the Mukinbudin Branch of the Wildflower Society, Mukinbudin Shire and DEC. DEC Yilgarn district provided the Mukinbudin herbarium specimen mounting materials, folders, labels and collection books.

12. PRIORITY ECOLOGICAL COMMUNITIES

Parker Range PEC (Priority 3 (iii))

- Species and communities branch visited this PEC in November 2007 to determine the impacts of recent mining proposals on the Parker Range system.

Pteridium Fernland PEC (Priority 2)

- Further research is required to determine whether *Pteridium esculentum* is a native component of the community before the TEC Scientific Committee will consider it for nomination as a TEC.

Low Level Sand plains PEC (Priority 1)

- This PEC is currently awaiting endorsement through state processes for listing as a vulnerable TEC.
- The draft IRP has been completed.
- Further survey is required to locate possible further occurrences on private property.

Highclere Hills PEC

- There is a proposal to nominate Banded Ironstone Formations (BIF) such as this one. This will require mapping all BIFs.

Woodlands of the Wheatbelt

- Consultant Ted Griffin is currently analysing data collected by WWF Woodland Watch and DEC to try and determine rare/priority woodland communities in the Wheatbelt.

13. CONCLUSION

The DEC Yilgarn district recovery team members would like to thank all the agencies, local community members and other DEC staff who have contributed to the implementation of recovery actions within the DEC Yilgarn district throughout 2007.

These actions, assistance and cooperation have made a significant contribution to the conservation of the Wheatbelt's threatened flora and ecological communities.

Appendix 1: Threatened Flora List Yilgarn District 2007

Taxa currently listed for the Yilgarn District as at December 2007 are as follows:

Yilgarn District: 35 DRF (11 CR, 8 EN, 14 VU, 2 EX)

Yilgarn District: 232 Priority (62 P1, 52 P2, 87 P3, 31 P4)

CRITICALLY ENDANGERED

No	Species Name
1	Acacia sciophanes
2	Caladenia drakeoides
3	Caladenia graniticola
4	Daviesia microcarpa
5	Gastrolobium diabolophyllum
6	Guichenotia seorsiflora
7	Isopogon robustus
8	Philotheca basistyla
9	Rhizanthella gardneri
10	Symonanthus bancroftii
11	Tetrateca deltoidea

ENDANGERED

No	Species Name
1	Acacia lobulata
2	Eremophila resinosa
3	Eremophila virens
4	Eremophila viscida
5	Eucalyptus brevipes
6	Eucalyptus crucis subsp. crucis
7	Frankenia parvula
8	Ptilotus fasciculatus

VULNERABLE

No	Species Name
1	Acacia caesariata
2	Acacia denticulosa
3	Acacia lanuginophylla
4	Banksia sphaerocarpa var. dolichostyla
5	Boronia adamsiana
6	Boronia revoluta
7	Eucalyptus steedmanii
8	Eucalyptus synandra
9	Gastrolobium graniticum
10	Grevillea dryandroides subsp. hirsuta
11	Muelleranthus crenulatus
12	Myriophyllum lapidicola
13	Roycea pycnophylloides
14	Stylidium merrallii

PRESUMED EXTINCT

No	Species Name
1	Thomasia gardneri
2	Philotheca falcata

Total DRF (CR+EN+VU+X) = 35

Priority Flora in the Yilgarn District

PRIORITY ONE

No	Species Name
1	Acacia desertorum var. nudipes
2	Acacia sclerophylla var. teretiuscula
3	Acacia stanleyi
4	Acacia tetraneura
5	Acacia websteri
6	Baeckea sp. Baladjie (PJ Spencer 24)
7	Baeckea sp. Beringbooding (A.R. Main 11/9/1957)
8	Baeckea sp. Eujinyn (J Buegge D99)
9	Baeckea sp. Forrestania (K.R. Newbey 1105)
10	Baeckea sp. Kellerberrin (CA Gardner sn PERTH 03351009)
11	Baeckea sp. Koorda (WE Blackall 3371)
12	Baeckea sp. Lake Cronin (K.R. Newbey 9191)
13	Baeckea sp. Muntadgin (E.T. Bailey 231)
14	Baeckea sp. Parker Range (M Hislop & F Hort MH2968)
15	Baeckea sp. Sheoaks Rocks (M.E.

No	Species Name
	Trudgen MET5452)
16	Baeckea sp. Stockton Road (M.E. Trudgen MET22077 & B. Rye)
17	Baeckea sp. Wialki (GM Storr 4/10/1958)
18	Baeckea sp. Yacke Yackine Dam (KR Newbey 9195)
19	Brachyloma nguba
20	Chorizema circinale
21	Conospermum galeatum
22	Dampiera scaevolina
23	Dicrastylis capitellata
24	Dillwynia acerosa
25	Drummondita wilsonii
26	Eucalyptus myriadena subsp. parviflora
27	Eucalyptus subangusta subsp. virescens
28	Euryomyrtus ciliata
29	Gastrolobium tenue
30	Gnephosis intonsa
31	Gnephosis sp. Norseman (K.R. Newbey 8096)
32	Goodenia heatheriana
33	Grevillea lissopleura
34	Grevillea lullfitzii
35	Grevillea marriottii
36	Grevillea minutiflora
37	Grevillea phillipsiana
38	Grevillea squiresiae
39	Halosarcia flabelliformis
40	Hibbertia axillibarba
41	Jacksonia debilis
42	Lepidosperma sp. Mt Jackson (L. Matiske 193-2/572)
43	Leucopogon sp. Parker Range (F.H. & M.P. Mollemans 2860)
44	Melaleuca grieviana
45	Melaleuca manglesii
46	Micromyrtus redita
47	Millotia newbeyi
48	Mirbelia taxifolia
49	Persoonia leucopogon
50	Phebalium drummondii
51	Philothea langei
52	Philothea nutans
53	Pseudactinia sp. Bruce Rock (J. Buegge D36)
54	Pseudactinia sp. Bungalbin Hill (F.H. & M.P. Mollemans 3069)

No	Species Name
55	<i>Scaevola tortuosa</i>
56	<i>Stenanthemum liberum</i>
57	<i>Stylidium validum</i>
58	<i>Trymalium densiflorum</i>
59	<i>Verticordia roei</i> subsp. <i>meiogona</i>
60	<i>Vittadinia cervicularis</i> var. <i>oldfieldii</i>
61	<i>Xanthoparmelia nashii</i>
62	<i>Xanthoparmelia subimitatrix</i>

PRIORITY TWO

No	Species Name
1	<i>Acacia ascendens</i>
2	<i>Acacia asepala</i>
3	<i>Acacia concolorans</i>
4	<i>Acacia cowaniana</i>
5	<i>Acacia heterochroa</i> subsp. <i>robertii</i>
6	<i>Acacia kerryana</i>
7	<i>Acacia lirellata</i> subsp. <i>compressa</i>
8	<i>Acacia sclerophylla</i> var. <i>pilosa</i>
9	<i>Acacia subrigida</i>
10	<i>Acacia synoria</i>
11	<i>Aluta aspera</i> subsp. <i>localis</i>
12	<i>Baeckea</i> sp. Narembeen (G.J. Keighery & N. Gibson 3010)
13	<i>Baeckea</i> sp. North Ironcap (RJ Cranfield 10580)
14	<i>Bentleya diminuta</i>
15	<i>Boronia westringioides</i>
16	<i>Brachysola halganiacea</i>
17	<i>Calandrinia kalanniensis</i>
18	<i>Calytrix</i> sp. Jingaring (F. Obbens, R. Davis & L.W. Sage LWS1332)
19	<i>Conospermum sigmoideum</i>
20	<i>Conostylis albescens</i>
21	<i>Dryandra lindleyana</i> subsp. <i>agricola</i>
22	<i>Dryandra speciosa</i> subsp. <i>speciosa</i>
23	<i>Eremophila adenotricha</i>
24	<i>Eremophila brevifolia</i>
25	<i>Eremophila complanata</i>
26	<i>Eucalyptus educta</i>
27	<i>Grevillea nana</i> subsp. <i>abbreviata</i>
28	<i>Haegiela tatei</i>
29	<i>Hakea pendens</i>
30	<i>Hakea rigida</i>
31	<i>Hibbertia chartacea</i>
32	<i>Hibbertia glabriuscula</i>
33	<i>Isolepis australiensis</i>

No	Species Name
34	<i>Keraudrenia adenogyna</i>
35	<i>Lepidium genistoides</i>
36	<i>Lepidium merrallii</i>
37	<i>Leucopogon amplexans</i>
38	<i>Leucopogon</i> sp. Bungulla (RD Royce 3435)
39	<i>Lissanthe scabra</i>
40	<i>Logania exilis</i>
41	<i>Microcorys lenticularis</i>
42	<i>Olearia laciniifolia</i>
43	<i>Podotheca pritzelii</i>
44	<i>Stenanthemum poicilum</i>
45	<i>Stylidium chiddarcoopingense</i>
46	<i>Stylidium choreanthum</i>
47	<i>Stylidium sejunctum</i>
48	<i>Stylidium thylax</i>
49	<i>Synaphea tripartita</i>
50	<i>Verticordia dasystylis</i> subsp. <i>dasystylis</i>
51	<i>Verticordia multiflora</i> subsp. <i>solox</i>
52	<i>Verticordia pulchella</i>

PRIORITY THREE

No	Species Name
1	<i>Acacia acanthoclada</i> subsp. <i>glaucescens</i>
2	<i>Acacia ancistrophylla</i> var. <i>perarcuata</i>
3	<i>Acacia campylophylla</i>
4	<i>Acacia crenulata</i>
5	<i>Acacia cylindrica</i>
6	<i>Acacia dissona</i> var. <i>indoloria</i>
7	<i>Acacia eremophila</i> var. <i>variabilis</i>
8	<i>Acacia filifolia</i>
9	<i>Acacia formidabilis</i>
10	<i>Acacia inophloia</i>
11	<i>Acacia phaeocalyx</i>
12	<i>Acacia repanda</i>
13	<i>Acacia singula</i>
14	<i>Acacia undosa</i>
15	<i>Austrostipa blackii</i>
16	<i>Baeckea</i> sp. Elsewhere Road (M.E. Trudgen 5420)
17	<i>Baeckea</i> sp. Hatter Hill (KR Newbey 3284)
18	<i>Baeckea</i> sp. Tammin (R Coveny 8319 & B Habberley)
19	<i>Banksia lullfitzii</i>
20	<i>Blennospora phlegmatocarpa</i>
21	<i>Boronia penicillata</i>

No	Species Name
22	<i>Calandrinia porifera</i>
23	<i>Calytrix plumulosa</i>
24	<i>Comesperma calcicola</i>
25	<i>Conospermum eatoniae</i>
26	<i>Cryptandra dielsii</i>
27	<i>Cryptandra polyclada</i> subsp. <i>polyclada</i>
28	<i>Daviesia elongata</i> subsp. <i>implexa</i>
29	<i>Dicrastylis corymbosa</i>
30	<i>Dicrastylis reticulata</i>
31	<i>Dryandra ferruginea</i> subsp. <i>flavescens</i>
32	<i>Dryandra ferruginea</i> subsp. <i>obliquiloba</i>
33	<i>Dryandra horrida</i>
34	<i>Dryandra viscida</i>
35	<i>Elatine macrocalyx</i>
36	<i>Eucalyptus exigua</i>
37	<i>Eucalyptus spathulata</i> subsp. <i>salina</i>
38	<i>Euryomyrtus leptospermoides</i>
39	<i>Euryomyrtus recurva</i>
40	<i>Eutaxia acanthoclada</i>
41	<i>Frankenia drummondii</i>
42	<i>Frankenia glomerata</i>
43	<i>Galium migrans</i>
44	<i>Gastrolobium spectabile</i>
45	<i>Gompholobium cinereum</i>
46	<i>Gonocarpus pycnostachyus</i>
47	<i>Grevillea eriobotrya</i>
48	<i>Grevillea fastigiata</i>
49	<i>Grevillea fulgens</i>
50	<i>Grevillea georgeana</i>
51	<i>Grevillea haplantha</i> subsp. <i>recedens</i>
52	<i>Grevillea insignis</i> subsp. <i>elliottii</i>
53	<i>Grevillea pilosa</i> subsp. <i>redacta</i>
54	<i>Guichenotia impudica</i>
55	<i>Gunniopsis rubra</i>
56	<i>Hibbertia graniticola</i>
57	<i>Hibbertia pachyphylla</i>
58	<i>Isoetes brevicula</i>
59	<i>Lechenaultia galactites</i>
60	<i>Lepidobolus densus</i>
61	<i>Leucopogon</i> sp. Ironcaps (N Gibson & K Brown 3070)
62	<i>Microseris scapigera</i>
63	<i>Monotoca leucantha</i>
64	<i>Parmeliopsis macrospora</i>
65	<i>Persoonia brevihachis</i>
66	<i>Persoonia cymbifolia</i>
67	<i>Persoonia pungens</i>

No	Species Name
68	<i>Petrophile pauciflora</i>
69	<i>Phebalium brachycalyx</i>
70	<i>Phlegmatospermum drummondii</i>
71	<i>Pityrodia</i> sp. Yilgarn (A.P. Brown 2679)
72	<i>Podotheca uniseta</i>
73	<i>Prostanthera nanophylla</i>
74	<i>Pultenaea daena</i>
75	<i>Stenanthemum newbeyi</i>
76	<i>Stylidium pulviniforme</i>
77	<i>Synaphea constricta</i>
78	<i>Synaphea divaricata</i>
79	<i>Thysanotus cymosus</i>
80	<i>Thysanotus tenuis</i>
81	<i>Trachymene croniniana</i>
82	<i>Triglochin stowardii</i>
83	<i>Verticordia gracilis</i>
84	<i>Verticordia mitodes</i>
85	<i>Verticordia stenopetala</i>
86	<i>Verticordia venusta</i>
87	<i>Xanthoparmelia hypoleiella</i>

PRIORITY FOUR

No	Species Name
1	<i>Acacia merrickiae</i>
2	<i>Calamphoreus inflatus</i>
3	<i>Darwinia</i> sp. Chiddarcooping (S.D. Hopper 6944)
4	<i>Daviesia oxylobium</i>
5	<i>Daviesia purpurascens</i>
6	<i>Drummondita</i> sp. Trayning (A.M. George 97) **
7	<i>Dryandra shanklandiorum</i>
8	<i>Eremophila biserrata</i>
9	<i>Eremophila caerulea</i> subsp. <i>merrallii</i>
10	<i>Eremophila racemosa</i>
11	<i>Eucalyptus caesia</i> subsp. <i>caesia</i>
12	<i>Eucalyptus caesia</i> subsp. <i>magna</i>
13	<i>Eucalyptus cerasiformis</i>
14	<i>Eucalyptus deflexa</i>
15	<i>Eucalyptus georgei</i> subsp. <i>fulgida</i>
16	<i>Eucalyptus latens</i>
17	<i>Eucalyptus rugulata</i>
18	<i>Gastrolobium callistachys</i>
19	<i>Gonocarpus intricatus</i>
20	<i>Grevillea asteriscosa</i>
21	<i>Grevillea dissecta</i>
22	<i>Grevillea prostrata</i>
23	<i>Grevillea tetrapleura</i>
24	<i>Gyrostemon ditrigynus</i>

No	Species Name
25	Microcorys sp. Forrestania (V. English 2004)
26	Myriophyllum petraeum
27	Ptilotus halophilus
28	Regelia cymbifolia
29	Sowerbaea multicaulis
30	Stylidium scabridum
31	Wurmbea murchisoniana

Total Priority (P1+P2+P3+P4) = 232

Total DRF (35) and Priority (232) = 267