

YILGARN DISTRICT THREATENED FLORA AND COMMUNITIES MANAGEMENT PROGRAM

**Annual Report
2008**

For the Yilgarn District Threatened Flora and Communities Recovery Team

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Daviesia microcarpa seedling
(Photo: Hayden Cannon)

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1. SUMMARY OF KEY RECOVERY ACTIONS COMPLETED IN 2008

- Flora survey works in 2008 resulted in the discovery of 11 new populations of declared rare and priority flora in the Yilgarn district (2 endangered, 4 vulnerable and 5 priority species). These species are:
 - *Eucalyptus crucis* subsp. *crucis*, EN (2 populations);
 - *Boronia adamsiana* VU;
 - *Eucalyptus synandra* VU;
 - *Frankenia conferta* VU;
 - *Myriophyllum lapidicola* VU;
 - *Grevillea squiresiae* P3;
 - *Eremophila adenotricha* P3;
 - *Acacia cylindrica* P3;
 - *Grevillea eriobotrya* P3 (2 populations).

- The completion and launch of the publication ‘Threatened and Poorly Known Flora of the Yilgarn Region’. This reference book was produced by the Department of Environment and Conservation’s Yilgarn District and funded by the Avon Catchment Council through the ‘Back from the Edge’ program.

- The launch of the ‘Threatened and Poorly Known Flora of the Yilgarn Region’ book was held in Merredin in August 2008 and followed by a Yilgarn District Threatened Flora and Communities Recovery Team Meeting.

- Re-stocking of *Symonanthus bancroftii* translocation site at Nangeen Hill.

- Ground truthing of critical habitat mapping was conducted for *Isopogon robustus*, *Daviesia microcarpa* and *Philothea basistyla*.

- Weed control was conducted at *Grevillea dryandroides* subsp. *hirsuta* (population 10), *Eremophila resinosa* (populations 3, 5, 6D, 9A, 10, 11, 17A & 17B), *Eremophila virens* (population 2) and *Eremophila viscida* (populations 7A & 11A).

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 (IRPs). 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 2008 were Ben Lullfitz and Ankur Konnur.

2.2 Members

Table one lists the members that participated in the Recovery Team meeting for Yilgarn District during 2008. 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: 2008 Yilgarn District Threatened Flora and Communities Recovery Team Members

Name	Organisation
Ken Atkins	DEC – Manager, Species and Communities Branch, Kensington
Whispie Bayly	Community Representative, Mukinbudin/Westonia
Paul Blechynden	DEC - District Manager, Yilgarn District, Merredin
Andrew Brown	DEC – Coordinator (Threatened Flora), Species and Communities Branch, Kensington
Wendy Chow	Project Officer (TEC), Species and Communities Branch, Kensington
Shane Collins	Environmental Officer, Main Roads WA, Northam
Luc Cotte	Environmental Coordinator, St Barbara Limited, Marvel Loch
Bob Dixon	Manager Biodiversity and Extensions, Botanic Gardens and Parks Authority, Kings Park
Melanie Harding	DEC - Senior Botanist, Species and Communities Branch, Kensington
Mal Harper	DEC - Land for Wildlife Officer, Merredin
Ankur Konnur	DEC - Conservation Officer (ACC), Yilgarn District, Merredin
Ben Lullfitz	DEC - Conservation Officer, Yilgarn District, Merredin
Mary Squire	Community Representative, Mukinbudin
Tobias Vudzijena	Shire of Merredin NRM
Rob Waller	Water Corporation, Wyalkatchem
Cressida Wilson	DEC - Executive Officer, Roadside Conservation Committee, Kensington

2.3 *Recovery Team Meeting*

The 2nd Yilgarn District Threatened Flora and Communities Recovery Team meeting was held on 27th August 2008 at the Merredin Regional Herbarium. The meeting was attended by 16 members.

The meeting was opened by the Yilgarn District Manager Paul Blechynden who gave the recovery team an overview of the DEC Yilgarn District. Updates were provided by Ben Lullfitz, Andrew Brown, Cressida Wilson Mary Squire and Whispie Bayly, Mal Harper, Bob Dixon and Wendy Chow.

The recovery team meeting followed the launch of the 'Threatened and Poorly Known Flora of the Yilgarn Region' book. The book launch was attended by around 30 people from as far as Wongan Hills, Toodyay, Mukinbudin, Westonia and Perth and the launch was very successful. A number of talks were given at the launch including Yilgarn District Manger Paul Blechynden, Mary Squire, Rebecca Palumbo (Avon Catchment Council), Ben Lullfitz and the book was officially launched by Ken Atkins.



Yilgarn flora book launch left-right - Whispie Bayly, Mary Squire, Ben Lullfitz, Ken Atkins and Ankur Konnur (Photo: Hayden Cannon)

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 throughout the Avon Basin. Funding in the 2008 transitional year has been provided from carry over funds from the previous 3 year funding cycle. This has enabled the employment of ACC Conservation Officer (Flora) Ankur Konnur.

Threatened species and communities have received funding through the 'Back from the Edge: Saving Native Species and Communities Most at Risk' project. The aim of this project is to develop a strategic approach to threatened species and communities' management and to carry out urgent recovery actions.

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

4.1 IRPs outstanding

As at 27th of August 2008 there was only one IRP outstanding for Yilgarn District which was for *Frankenia parvula*.

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 2008, are as follows:

Table 2: Threatened and Priority Flora, Yilgarn, December 2008.

DRF	Yilgarn District
CR	10
EN	9
VU	15
X	1

Priority	
1	75
2	60
3	100
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*

Caladenia drakeoides

- Searched for population 13B however no plants were located.

Daviesia microcarpa

- Conducted ground truthing of critical habitat mapping.
- Implemented induced recruitment proposal in May 2008 which resulted in 90 seedlings being raised at population 2A.

Gastrolobium diabolophyllum

- Monitoring conducted at populations 1A, 2A, 2B & 2C.

Guichenotia seorsiflora

- Monitoring conducted at populations 3A, 3B, 4A & 4B.

Isopogon robustus

- Conducted ground truthing of critical habitat.
- Monitoring conducted at population 1.

Philothea basistyla

- Monitoring conducted at populations 1 & 2A.
- Ground truthing of critical habitat mapping was conducted.
- Rabbit control conducted at population 2A.
- Seed collected from population 1 & 2A.

Symonanthus bancroftii

- Monthly site visits to Nangeen Hill and Ardath translocation sites to maintain watering system, check fences, control weeds and monitor plants.
- Deep ripping of Nangeen Hill site conducted in April 2008.
- Restocked Nangeen Hill site with 100 seedlings in May 2008.

Tetratheca deltoidea

- Monitoring conducted at populations 1A & 1B.

6.2 *Endangered*

Acacia lobulata

- Monitoring conducted at populations 1A, 3A & 3B.

Eremophila resinosa

- Monitoring conducted at populations 1A, 1B, 1C, 3, 4A, 4B, 5, 6A, 6D, 7, 8, 9A, 10, 11, 15, 17A, 17B, 19, 21A, 21B, 22, 26A & 26B.
- Weed control was conducted at populations 3, 5, 6D, 9A, 10, 11, 17A & 17B.

Eremophila virens

- Monitoring conducted at populations 1, 2A, 2B, 3A, 4B, 4C, 5, 10A, 12A, 12B, 14A & 14B.
- Weed control was conducted at population 2.

Eremophila viscida

- Monitoring conducted at populations 1, 2B, 3, 4, 5, 7A, 7B, 10, 11A, 12A & 23.
- Weed control was conducted at populations 7A & 11A.

Eucalyptus brevipes

- Monitoring conducted at populations 1C, 2A & 4.

Eucalyptus crucis subsp. *crucis*

- Monitoring conducted at populations 1, 3, 6 & 8.
- New population (9A & 9B) located on private property in the Shire of Westonia.

Philothea falcata

- Monitoring conducted at populations 1A, 1B & 2.

6.3 *Vulnerable*

Acacia caesariata

- Shire installed white marker posts to prevent vehicle access to population 1C following damage to a plant cause by a vehicle.

Acacia denticulosa

- Monitoring conducted at population 13.

Boronia adamsiana

- Monitoring conducted at populations 2, 3, 5A, 10, 11, 12, 14, 15, 20A, 20B, 22.
- New population (25) located in the Shire of Merredin.

Eucalyptus synandra

- New population located on private property in the Shire of Mt Marshall.

Frankenia conferta

- New populations were located on private property and UCL in the Shire of Mt Marshall.

Grevillea dryandroides subsp. *hirsuta*

- Monitoring conducted at populations 6, 7, & 10.
- Weed control conducted at population 10.

Myriophyllum lapidicola

- Monitoring conducted at populations 1, 4, 5 & 6.
- New population (7) located in South Wilgoyne NR.

Stylidium merrallii

- Monitoring conducted at populations 1, 2, 6A & 6B.

6.4 Priority One*Acacia desertorum* var. *nudipes*

- Searched for population 8 (12.6 km E of Southern Cross on Great Eastern Hwy) following a request from MRWA but was unable to relocate plants.

Grevillea minutiflora

- Markers installed at populations 1, 5A, 5B & 5C.

Grevillea sp. Trayning (W. Johnston WJ071)

- Monitoring conducted at populations 1A, 1B & 1C.

Grevillea squiresiae

- New population (3) located on private property in the Shire of Nungarin.

Trymalium densiflorum

- Tried to relocate the original collection from 1974 but did not locate any plants.

6.5 Priority Two*Eremophila adenotricha*

- New population (9) located whilst surveying *Philotheca falcata*.

Goodenia granitica

- Monitoring conducted at populations 2 & 3.

Hakea pendens

- Monitoring of population 6 and impact assessment for proposed new repeater site.

6.6 Priority Three*Acacia cylindrica*

- New population (10) located in NR 25801.

Grevillea eriobotrya

- Two new populations in the Shire of Westonia (BRL 072 & 073)

6.7 Priority Four*Eucalyptus caesia*

- Monitored population at Yanneymooning NR.

Daviesia oxylobium

- Collected a specimen for the Yilgarn District herbarium from *Grevillea dryandroides* subsp. *hirsuta* population 10 associated species.

7. TRANSLOCATIONS*Symonanthus bancroftii*

- Ongoing maintenance and watering at the Nangeen Hill site is conducted by the neighbouring landowner (McDonald's), BGPA and DEC.
- At the Ardath site the maintenance and watering is done by the Bruce Rock Shire, BGPA and DEC.
- Deep-ripping and re-stocking was done at the Nangeen Hill site in May 2008.

Eremophila resinosa

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

8. INDUCED RECRUITMENT PRESCRIBED BURNS*Daviesia microcarpa*

The induced recruitment proposal was implemented on the 2nd of May 2008. The trial established burn plots, physical disturbance plots, smoke water plots and control plots. The whole trial area was fenced off with rabbit-proof netting.

Monitoring in August located approximately 20 seedlings which germinated in the burn plots however these were too small to be positively identified. The next monitoring conducted in November located 90 *Daviesia microcarpa* seedlings within the two burn plots.

Philothea basistyla

An induced recruitment proposal has been drafted for this species with the aim of implementation in May 2009.

Acacia sciophanes

An induced recruitment proposal was drafted for this species with the aim of implementation in May 2010.

9. APPLICATIONS TO TAKE RARE FLORA

There have been no applications to take rare flora within the Yilgarn District this year.

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 which was launched in August 2008.
- 8 'Have you seen this plant?' postcards produced printed and sent out to relevant landholders.
- A basic flora ID workshop was conducted in Mukinbudin for community members in June 2008. This included presentations from Neville Marchant and Margaret Wheeler.
- A herbarium specimen mounting workshop was held with the Merredin branch of the Wildflower Society in August 2008.

11. DISTRICT THREATENED FLORA HERBARIUM

- The collection and curation of 2 DRF species and 3 priority species occurred in the Yilgarn district in 2008.
- Various other collections made in conjunction with flora monitoring and surveys have been included in the herbarium.
- The Mukinbudin Regional Herbarium submitted a box of flora specimens to Yilgarn District which has been forwarded to the WA Herbarium for confirmative identification. Duplicate specimens have been retained at Yilgarn District and the Mukinbudin Regional Herbarium.

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) – Yarding Road Reserve

- This PEC is currently proposed 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

- Further information is required to better describe the plant communities of the range.

Woodlands of the Wheatbelt

- 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 2008. 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 2008

Taxa currently listed for the Yilgarn District as at December 2008 are as follows:

Yilgarn District: 35 DRF (10 CR, 9 EN, 15 VU, 1 EX)

Yilgarn District: 266 Priority (75 P1, 60 P2, 100 P3, 31 P4)

CRITICALLY ENDANGERED

No	Species Name
1	<i>Acacia sciophanes</i>
2	<i>Caladenia drakeoides</i>
3	<i>Daviesia microcarpa</i>
4	<i>Gastrolobium diabolophyllum</i>
5	<i>Guichenotia seorsiflora</i>
6	<i>Isopogon robustus</i>
7	<i>Philothea basistyla</i>
8	<i>Rhizanthella gardneri</i>
9	<i>Symonanthus bancroftii</i>
10	<i>Tetratheca deltoidea</i>

ENDANGERED

No	Species Name
1	<i>Acacia lobulata</i>
2	<i>Eremophila resinosa</i>
3	<i>Eremophila virens</i>
4	<i>Eremophila viscida</i>
5	<i>Eucalyptus brevipes</i>
6	<i>Eucalyptus crucis</i> subsp. <i>crucis</i>
7	<i>Frankenia parvula</i>
8	<i>Philothea falcata</i>
9	<i>Ptilotus fasciculatus</i>

VULNERABLE

No	Species Name
1	<i>Acacia caesariata</i>
2	<i>Acacia denticulosa</i>
3	<i>Acacia lanuginophylla</i>
4	<i>Banksia sphaerocarpa</i> var. <i>dolichostyla</i>
5	<i>Boronia adamsiana</i>
6	<i>Boronia revoluta</i>
7	<i>Eucalyptus steedmanii</i>
8	<i>Eucalyptus synandra</i>
9	<i>Frankenia conferta</i>
10	<i>Gastrolobium graniticum</i>
11	<i>Grevillea dryandroides</i> subsp. <i>hirsuta</i>

No	Species Name
12	Muelleranthus crenulatus
13	Myriophyllum lapidicola
14	Roycea pycnophylloides
15	Stylidium merrallii

PRESUMED EXTINCT

No	Species Name
1	Thomasia gardneri

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

Priority Flora in the Yilgarn District

PRIORITY ONE

# Sp	Species Name
1	Acacia desertorum var. nudipes
2	Acacia sclerophylla var. teretiuscula
3	Acacia stanleyi
4	Acacia tetraura
5	Acacia torticarpa
6	Acacia websteri
7	Aotus lanea
8	Baeckea grandibracteata subsp. Parker Range (K. Newbey 9270)
9	Baeckea sp. Baladjie (PJ Spencer 24)
10	Baeckea sp. Beringbooding (A.R. Main 11/9/1957)
11	Baeckea sp. Blue Haze Mine (P. Armstrong 06/910)
12	Baeckea sp. Bullfinch (K.R. Newbey 5838)
13	Baeckea sp. Crossroads (B.L. Rye & M.E. Trudgen)
14	Baeckea sp. Eujinyn (J Buegge D99)
15	Baeckea sp. Forrestania (K.R. Newbey 1105)
16	Baeckea sp. Kellerberrin (CA Gardner sn PERTH 03351009)
17	Baeckea sp. Koorda (WE Blackall 3371)
18	Baeckea sp. Lake Cronin (K.R. Newbey 9191)
19	Baeckea sp. Muntadgin (E.T. Bailey 231)
20	Baeckea sp. Parker Range (M Hislop & F Hort MH2968)
21	Baeckea sp. Sheoaks Rocks (M.E. Trudgen MET5452)
22	Baeckea sp. Stockton Road (M.E. Trudgen MET22077 & B. Rye)
23	Baeckea sp. Wialki (GM Storr 4/10/1958)
24	Brachyloma nguba
25	Brachyloma sp. Forrestania White (M. Hislop & F. Hort MH 2591)
26	Caesia sp. Ennuin (N. Gibson & M.N. Lyons 2737)
27	Chorizema circinale
28	Conospermum galeatum
29	Dampiera scaevolina
30	Dicrastylis capitellata

31	<i>Dillwynia acerosa</i>
32	<i>Drummondita wilsonii</i>
33	<i>Eucalyptus myriadena</i> subsp. <i>parviflora</i>
34	<i>Eucalyptus subangusta</i> subsp. <i>virescens</i>
35	<i>Euryomyrtus ciliata</i>
36	<i>Gastrolobium tenue</i>
37	<i>Gnephosis intonsa</i>
38	<i>Gnephosis</i> sp. Norseman (K.R. Newbey 8096)
39	<i>Goodenia heatheriana</i>
40	<i>Grevillea lissopleura</i>
41	<i>Grevillea lullfitzii</i>
42	<i>Grevillea marriottii</i>
43	<i>Grevillea minutiflora</i>
44	<i>Grevillea phillipsiana</i>
45	<i>Grevillea</i> sp. Trayning (W. Johnston WJ 071)
46	<i>Grevillea squiresiae</i>
47	<i>Hemigenia dulca</i>
48	<i>Hibbertia axillibarba</i>
49	<i>Jacksonia debilis</i>
50	<i>Lepidosperma amantiferrum</i>
51	<i>Lepidosperma ferriculmen</i>
52	<i>Leucopogon validus</i>
53	<i>Melaleuca grieviana</i>
54	<i>Melaleuca manglesii</i>
55	<i>Micromyrtus redita</i>
56	<i>Millotia newbeyi</i>
57	<i>Mirbelia taxifolia</i>
58	<i>Persoonia leucopogon</i>
59	<i>Phebalium drummondii</i>
60	<i>Philothea langei</i>
61	<i>Philothea nutans</i>
62	<i>Pseudactinia</i> sp. Bruce Rock (J. Buegge D36)
63	<i>Pseudactinia</i> sp. Bungalbin Hill (F.H. & M.P. Mollemans 3069)
64	<i>Scaevola tortuosa</i>
65	<i>Stenanthemum liberum</i>
66	<i>Stylidium validum</i>
67	<i>Tecticornia flabelliformis</i>
68	<i>Teucrium</i> sp. dwarf (R. Davis 8813)
69	<i>Thryptomene</i> sp. Mt Clara (R.J. Cranfield 11702)
70	<i>Tricoryne</i> sp. Morawa (GJ Keighery & N Gibson 6759)
71	<i>Trymalium densiflorum</i>
72	<i>Verticordia roei</i> subsp. <i>meiogona</i>
73	<i>Vittadinia cervicalis</i> var. <i>oldfieldii</i>
74	<i>Xanthoparmelia nashii</i>
75	<i>Xanthoparmelia subimitatrix</i>

PRIORITY TWO

# Sp	Species Name
1	<i>Acacia arcuatifolia</i>
2	<i>Acacia ascendens</i>
3	<i>Acacia asepala</i>
4	<i>Acacia concolorans</i>
5	<i>Acacia cowaniana</i>
6	<i>Acacia heterochroa</i> subsp. <i>robertii</i>
7	<i>Acacia kerryana</i>
8	<i>Acacia lirellata</i> subsp. <i>compressa</i>
9	<i>Acacia sclerophylla</i> var. <i>pilosa</i>
10	<i>Acacia subrigida</i>
11	<i>Acacia tuberculata</i>
12	<i>Aluta aspera</i> subsp. <i>localis</i>
13	<i>Baeckea</i> sp. Naremben (G.J. Keighery & N. Gibson 3010)
14	<i>Baeckea</i> sp. North Ironcap (RJ Cranfield 10580)
15	<i>Banksia dallanneyi</i> subsp. <i>agricola</i>
16	<i>Banksia splendida</i> subsp. <i>splendida</i>
17	<i>Bentleya diminuta</i>
18	<i>Boronia westringioides</i>
19	<i>Brachysola halganiacea</i>
20	<i>Calandrinia kalanniensis</i>
21	<i>Calytrix</i> sp. Jingaring (F. Obbens, R. Davis & L.W. Sage LWS1332)
22	<i>Conospermum sigmoideum</i>
23	<i>Conostylis albescens</i>
24	<i>Daviesia newbeyi</i>
25	<i>Drummondita</i> sp. Trayning (A.M. George 97)
26	<i>Eremophila adenotricha</i>
27	<i>Eremophila brevifolia</i>
28	<i>Eremophila complanata</i>
29	<i>Eucalyptus educta</i>
30	<i>Eutaxia lasiocalyx</i>
31	<i>Goodenia granitica</i>
32	<i>Grevillea nana</i> subsp. <i>abbreviata</i>
33	<i>Guichenotia asteriskos</i>
34	<i>Haegiela tatei</i>
35	<i>Hakea pendens</i>
36	<i>Hakea rigida</i>
37	<i>Hibbertia chartacea</i>
38	<i>Hibbertia glabriuscula</i>
39	<i>Isolepis australiensis</i>
40	<i>Jacksonia rubra</i>
41	<i>Keraudrenia adenogyna</i>
42	<i>Lepidium genistoides</i>
43	<i>Lepidium merrallii</i>
44	<i>Leucopogon amplectens</i>
45	<i>Leucopogon</i> sp. Bungulla (RD Royce 3435)

46	<i>Lissanthe scabra</i>
47	<i>Logania exilis</i>
48	<i>Microcorys lenticularis</i>
49	<i>Olearia laciniifolia</i>
50	<i>Phlegmatospermum eremaeum</i>
51	<i>Podotheca pritzelii</i>
52	<i>Pultenaea indira</i> subsp. <i>pudoides</i>
53	<i>Stylidium chiddarcoopingense</i>
54	<i>Stylidium choreanthum</i>
55	<i>Stylidium sejunctum</i>
56	<i>Torrendia grandis</i>
57	<i>Torrendia inculta</i>
58	<i>Verticordia dasystylis</i> subsp. <i>dasystylis</i>
59	<i>Verticordia multiflora</i> subsp. <i>solox</i>
60	<i>Verticordia pulchella</i>

PRIORITY THREE

# Sp	Species Name
1	<i>Acacia ancistrophylla</i> var. <i>perarcuata</i>
2	<i>Acacia campylophylla</i>
3	<i>Acacia crenulata</i>
4	<i>Acacia cylindrica</i>
5	<i>Acacia deflexa</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. Hyden (JM Brown 141)
19	<i>Baeckea</i> sp. Merredin (K.R. Newbey 2506)
20	<i>Baeckea</i> sp. Tammin (R Coveny 8319 & B Habberley)
21	<i>Banksia horrida</i>
22	<i>Banksia lullfitzii</i>
23	<i>Banksia rufa</i> subsp. <i>flavescens</i>
24	<i>Banksia rufa</i> subsp. <i>obliquiloba</i>
25	<i>Banksia viscida</i>
26	<i>Blennospora phlegmatocarpa</i>
27	<i>Boronia penicillata</i>
28	<i>Calandrinia porifera</i>
29	<i>Calytrix nematoclada</i>

30	<i>Calytrix plumulosa</i>
31	<i>Comesperma calcicola</i>
32	<i>Conospermum eatoniae</i>
33	<i>Cryptandra beverleyensis</i>
34	<i>Cryptandra dielsii</i>
35	<i>Cryptandra polyclada</i> subsp. <i>polyclada</i>
36	<i>Cryptandra stellulata</i>
37	<i>Cyanicula fragrans</i>
38	<i>Daviesia elongata</i> subsp. <i>implexa</i>
39	<i>Dicrastylis reticulata</i>
40	<i>Elatine macrocalyx</i>
41	<i>Eucalyptus exigua</i>
42	<i>Eucalyptus histophylla</i>
43	<i>Eucalyptus spathulata</i> subsp. <i>salina</i>
44	<i>Euryomyrtus leptospermoides</i>
45	<i>Euryomyrtus patrickiae</i>
46	<i>Euryomyrtus recurva</i>
47	<i>Eutaxia acanthoclada</i>
48	<i>Eutaxia nanophylla</i>
49	<i>Frankenia drummondii</i>
50	<i>Frankenia georgei</i>
51	<i>Frankenia glomerata</i>
52	<i>Gastrolobium semiteres</i>
53	<i>Gastrolobium spectabile</i>
54	<i>Gastrolobium stenophyllum</i>
55	<i>Gompholobium cinereum</i>
56	<i>Gonocarpus pycnostachyus</i>
57	<i>Goodenia trichophylla</i>
58	<i>Grevillea eriobotrya</i>
59	<i>Grevillea fastigiata</i>
60	<i>Grevillea fulgens</i>
61	<i>Grevillea georgeana</i>
62	<i>Grevillea haplantha</i> subsp. <i>recedens</i>
63	<i>Grevillea insignis</i> subsp. <i>elliottii</i>
64	<i>Grevillea pilosa</i> subsp. <i>redacta</i>
65	<i>Guichenotia impudica</i>
66	<i>Gunniopsis rubra</i>
67	<i>Hibbertia graniticola</i>
68	<i>Hibbertia pachyphylla</i>
69	<i>Isoetes brevicula</i>
70	<i>Lasiopetalum fitzgibbonii</i>
71	<i>Lechenaultia galactites</i>
72	<i>Lepidobolus densus</i>
73	<i>Leucopogon</i> sp. <i>Ironcaps</i> (N Gibson & K Brown 3070)
74	<i>Microseris scapigera</i>
75	<i>Mirbelia densiflora</i>
76	<i>Monotoca leucantha</i>
77	<i>Parmeliopsis macrospora</i>

78	<i>Persoonia cymbifolia</i>
79	<i>Persoonia pungens</i>
80	<i>Petrophile pauciflora</i>
81	<i>Phebalium brachycalyx</i>
82	<i>Phlegmatospermum drummondii</i>
83	<i>Pityrodia</i> sp. Yilgarn (A.P. Brown 2679)
84	<i>Podotheca uniseta</i>
85	<i>Prostanthera nanophylla</i>
86	<i>Pultenaea daena</i>
87	<i>Spartothamnella</i> sp. Helena & Aurora Range (PG Armstrong 155-109)
88	<i>Stenanthemum bremerense</i>
89	<i>Stenanthemum newbeyi</i>
90	<i>Stylidium pulviniforme</i>
91	<i>Synaphea constricta</i>
92	<i>Thysanotus cymosus</i>
93	<i>Thysanotus tenuis</i>
94	<i>Trachymene croniniana</i>
95	<i>Triglochin stowardii</i>
96	<i>Verticordia gracilis</i>
97	<i>Verticordia mitodes</i>
98	<i>Verticordia stenopetala</i>
99	<i>Verticordia venusta</i>
100	<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>

No	Species Name
22	<i>Grevillea prostrata</i>
23	<i>Grevillea tetrapleura</i>
24	<i>Gyrostemon ditrigynus</i>
25	<i>Microcorys</i> sp. Forrestania (V. English 2004)
26	<i>Myriophyllum petraeum</i>
27	<i>Ptilotus halophilus</i>
28	<i>Regelia cymbifolia</i>
29	<i>Sowerbaea multicaulis</i>
30	<i>Stylidium scabridum</i>
31	<i>Wurmbea murchisoniana</i>

Total Priority (P1+P2+P3+P4) = 266

Total DRF (35) and Priority (266) = 301