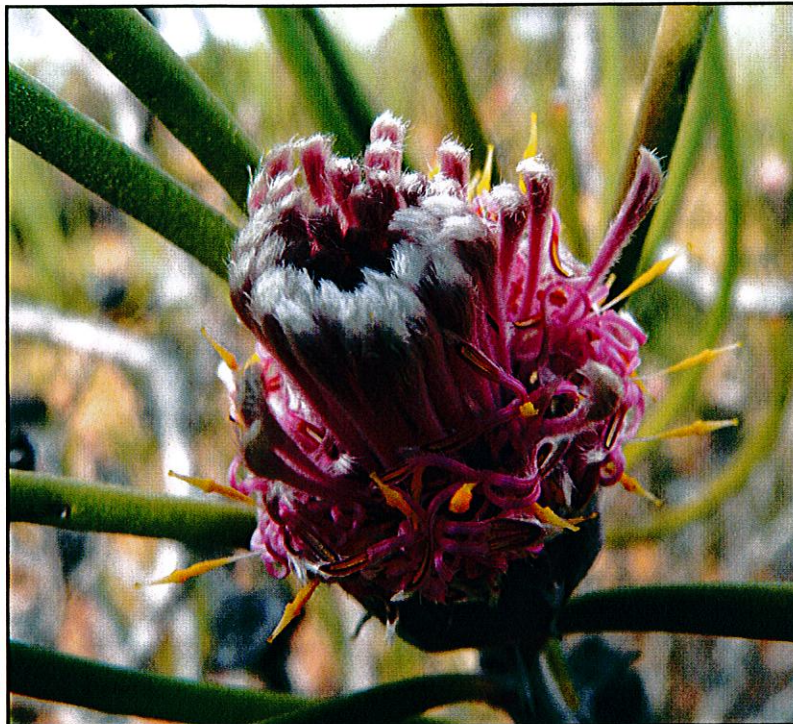


**AVON-MORTLOCK AND YILGARN DISTRICT JOINT  
THREATENED FLORA AND COMMUNITIES MANAGEMENT  
PROGRAM**

**Annual Report  
2006**

For the Avon-Mortlock and Yilgarn District Threatened Flora and Communities  
Recovery Teams  
Wendy Johnston, Lorraine Duffy and Joel Collins



**Figure 1:** *Isopogon robustus* (Photo: Wendy Johnston)

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## 1 SUMMARY OF 2006 KEY RECOVERY ACTIONS

- Flora survey works in 2006 resulted in the discovery of 18 new populations of rare and priority flora in the Yilgarn and Avon Mortlock districts (4 critically endangered, 5 endangered, 3 vulnerable and 6 priority species). These species are:
  - *Acacia volubilis* (CR)
  - *Acacia cochlocarpa* subsp. *velutinos*a (CR)
  - *Gastrolobium diabolophyllum* (CR)
  - *Daviesia microcarpa* (CR)
  - *Acacia ataxiphylla* subsp. *magna* (EN)
  - *Hakea aculeata* (EN)
  - *Eremophila viscida* (EN)
  - *Eucalyptus brevipes* (EN)
  - *Frankenia parvula* (EN)
  - *Acacia denticulosa* (VU)
  - *Thomasia glabripetala* (VU)
  - *Microcorys eremophiloides* (VU)
  - *Grevillea minutiflora* (P1)
  - *Verticordia roei* subsp. *meiogona* (P1)
  - *Frankenia glomerata* (P3)
  - *Grevillea roycei* (P3)
  - *Hemigenia platyphylla* (P4)
  - *Calothamnus brevifolius* (P4)
  
- The development and launch of the publication 'Threatened, poorly known and other flora of Wongan-Ballidu'. This reference book is a joint project between the Department of Environment and Conservation, Avon Catchment Council, Shire of Wongan-Ballidu and Wongan-Ballidu Bushcare Group.
  
- Two joint Recovery Team Meetings were held during 2006 in Goomalling and Wongan Hills.
  
- *Daviesia euphorbioides* recruitment trials were conducted at populations 5 (burn) and at population 8 (soil disturbance), with a smoke water trial at population 10.
  
- Re-stocking of *Acacia volubilis* and *Daviesia cunderdin* translocation (third year of translocation).
  
- Rare flora and Back from the Edge project display at the 2006 Dowerin Field Days.
  
- Fencing erected for *Cyphanthera odgersii* subsp. *occidentalis* (population 1) on rail reserve at Cowcowing and for *Grevillea dryandroides* subsp. *hirsuta* (population 9) on rail reserve in Dowerin. Fencing was erected to protect plants from rail maintenance, stock movement and rabbit activity.

- Seed collection of *Pityrodia scabra* (CR), *Acacia subflexuosa* subsp. *capillata* (CR) and *Grevillea dryandroides* subsp. *hirsuta* (VU).

## **2 RE-STRUCTURE OF THE WHEATBELT REGION**

During 2006 a district re-alignment of the Wheatbelt Region saw alterations to existing district boundaries, the creation of the DEC Avon-Mortlock District and adoption of new district names. The changes have seen the new Avon-Mortlock District acquire the western section of the old Merredin District and the Shire of Victoria Plains and the eastern half of the shires of York, Northam and Beverley. The former Merredin District has changed its name and is now known as the Yilgarn District. The Yilgarn District has acquired additional UCL (unallocated crown land) to the east and the Shires of Bruce Rock, Narembeen and Kondinin.

Due to the district boundary changes, this annual report (2006) will encompass both the Avon-Mortlock and Yilgarn District's threatened flora programs, after which the Districts will form separate recovery teams for 2007 onwards. The teams will be known as the Avon-Mortlock District Threatened Flora and Communities Recovery Team and the Yilgarn District Threatened Flora and Communities Recovery Team.

## **3 THREATENED FLORA AND COMMUNITIES RECOVERY TEAM**

### ***3.1 Roles and Responsibilities***

The Avon-Mortlock and Yilgarn District Threatened Flora and Communities Recovery Team's role is to implement relevant Threatened Flora Management Program's and Interim Recovery Plans (IRP's). This is coordinated by the Recovery Teams 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 during 2006 were Wendy Johnston (Yilgarn District), Lorraine Duffy (Avon-Mortlock District) and Joel Collins (Avon-Mortlock District).

### ***3.2 Members***

Table one lists the members that have participated in the joint Recovery Team meetings for both the Avon-Mortlock and Yilgarn District, during 2006. The participation of Recovery Team Members is essential to achieving the goals of the Avon-Mortlock and Yilgarn District Threatened Flora Management Programs. Members frequently provide invaluable advice, local knowledge and expertise, ensuring recovery actions are implemented in the most effective and efficient manner possible.

Table 1: 2006 Avon-Mortlock and Yilgarn District Rare Flora and Communities Recovery Team Members

<b>Name</b>	<b>Organisation</b>
Paul Blechynden	District Manager, DEC Yilgarn
Alan Kietzmann	District Manager, DEC Avon-Mortlock
David Jolliffe	District Nature Conservation Officer, DEC Yilgarn
Paul Tholen	District Nature Conservation Officer, DEC Avon-Mortlock
Andrew Brown	Threatened Flora Coordinator, DEC Kensington
Wendy Johnston	Conservation Officer, DEC Yilgarn
Joel Collins	Conservation Officer, DEC Avon-Mortlock
Lorraine Duffy	Conservation Officer (ACC), DEC Avon-Mortlock
Brett Beecham	Regional Ecologist CALM Narrogin
Rosemarie Rees	DEC, Kensington
Gillian Stack	DEC, Kensington
Leonie Monks	DEC, Science Division
Andrew Crawford	Threatened Flora Seed Centre
Bob Dixon	Botanic Gardens and Parks Authority
Mal Harper	Land for Wildlife, Yilgarn
Robert and Beth Boase	Community Rep.
Mary Squire	Community Rep.
Larry Trinder and Nicolaas Jansen	Main Roads WA
Wongan-Ballidu Bushcare Group - All Members	Wongan-Ballidu Bushcare Group
Rob Waller and Angela Herzer	Water Corporation, Northam
Bruce Eldgride, John Stevens and Peter Smyth	WestNet Rail
Mark Brundrett	UWA, Research Scientist
Vanessa Slater	Community Landcare Coordinator (Goomalling/Dowerin)
Linda Vernon	Community Landcare Coordinator (Trayning)
Pauline Guest	Community Landcare Coordinator (Westonia)
Mick Davis	WWF Australia, Northam



### 3.3 Recovery Team Meetings

The Avon-Mortlock and the Yilgarn District Threatened Flora and Communities Recovery Team held two Recovery Team meetings in 2006.

The first meeting was held on August 1<sup>st</sup> at Goomalling Shire Chambers and had an attendance of 20 members including Goomalling Shire CEO, Clem Kerp. Following the meeting the group inspected the Red Morrel (*Eucalyptus longicornis*) community on a Goomalling town reserve on the Northam – Pithara Rd. This was then followed by plantings at the Goomalling and Dowerin Rare Flora Gardens. Recovery team members also visited the burn and disturbance recruitment sites for *Daviesia euphorbioides*.

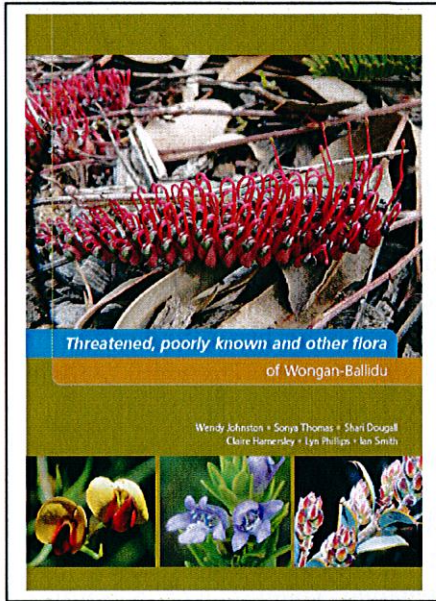


Figure 2: Recovery team members restocking the Goomalling rare flora garden on the 1<sup>st</sup> August 2006  
(Photo: Wendy Johnston)

The second meeting was held on the December 13<sup>th</sup> at the Wongan Hills Tourist Centre. This meeting was held in conjunction with the launch of the publication 'Threatened, poorly known and other flora of Wongan-Ballidu'. The book is a joint project between the Department of Environment and Conservation, Avon Catchment Council, Shire of Wongan-Ballidu and Wongan-Ballidu Bushcare Group. It aims to increase awareness in the community, of threatened flora in the Wongan Hills region. The book was produced by Wendy Johnston, Sonya Thomas, Shari Dougall, Claire Hamersley, Lyn Phillips and Ian Smith. The launch of the book was attended by 40 people with speakers including Dr Ken Atkins (Manager Species and Communities Branch), Marilyn Temby (Chair Avon-Catchment Council), Wendy Johnston (Conservation Officer, Yilgarn District) and Sonya Thomas (Wongan-Ballidu bushcare group). 400 copies of the book were provided free to the Wongan-Ballidu bushcare group to be sold through the Wongan Hills tourist centre. All money raised from the sale of the books will be used to fund future flora projects in the Wongan-Ballidu Shire.

The recovery team meeting followed the book launch with 25 people attending. The meeting included an update from Dr Ken Atkins on the Nature Conservation Division and its current projects. Mark Brundrett from UWA also attended and discussed the upcoming project 'Rescuing Critically Endangered Wheatbelt Orchids - A Lotterywest Project for the Western Australian Native Orchid Conservation and Study Group'.





**Figure 3:** Authors of “Threatened, poorly known and other flora of Wongan-Ballidu” at the official launch 13<sup>th</sup> Dec 2006  
(Photo: David Jolliffe)



**Figure 4:** Rare Flora and Communities Recovery Team Meeting  
December 13<sup>th</sup> 2006  
(Photo: Joel Collins)

## 4 FUNDING

### *4.1 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) in the Avon-Mortlock District, with an additional FTE employed in the Yilgarn District in early 2007.

As part of this project both districts are 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 and recruitment trials and raising community awareness and engagement.

## 5 SPECIES AND COMMUNITIES BRANCH – INTERIM RECOVERY PLANS

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

### *5.1 IRP's completed and sent for approval*

- *Acacia lanuginophylla* - Great Southern/Yilgarn (July 2006)
- *Acacia pharangites* - Avon-Mortlock (July 2006)
- *Acacia sciophanes* - Yilgarn (July 2006)
- *Frankenia parvula* - Yilgarn (July 2006)
- *Pityrodia scabra* - Yilgarn (March 2006)

### *5.2 IRP's in advanced draft and sent to Region for editing*

- *Cyphanthera odgersii* subsp. *occidentalis* - Avon Mortlock (July 2006)
- *Daviesia cunderdin* - Avon Mortlock (July 2006)
- *Eremophila resinosa* - Yilgarn/Avon Mortlock (July 2006)
- *Gastrolobium glaucum* - Avon-Mortlock (July 2006)



- *Haloragis platycarpa* - Avon-Mortlock (July 2006)
- *Grevillea involucrate* - Yilgarn (July 2006)

### 5.3 IRPs sent to District for comment

- *Darwinia carnea* - Avon Mortlock (Sept 2006)
- *Frankenia conferta* - Avon Mortlock/Yilgarn (July 2006)
- *Hemiandra rutilans* - Avon Mortlock (December 2005)

### 5.4 IRPs in draft

- *Isopogon robustus* Yilgarn
- *Lysiosepalum abollatum* Avon-Mortlock

## 6 AVON-MORTLOCK AND YILGARN DISTRICT THREATENED FLORA MANAGEMENT PROGRAM

### 6.1 Avon-Mortlock and Yilgarn District Threatened Flora Schedule

DRF and Priority taxa currently listed in the Districts as of 17<sup>th</sup> November 2006, are as follows:

Table 2: Threatened Flora, Yilgarn and Avon-Mortlock District's, 17<sup>th</sup> November 2006.

DRF	Yilgarn District	Avon-Mortlock District
CR	11	25
EN	8	22
VU	14	19
Priority		
1	38	53
2	19	64
3	12	118
4	16	63

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

## 7 IMPLIMENTATION OF RECOVERY ACTIONS

### 7.1 *Critically Endangered*

#### *Acacia cochlocarpa* subsp. *velutinos*a

- New population discovered in Wongan-Ballidu consisting of 1 plant growing on a road reserve. Specimen collected for District and Perth Herbarium.

#### *Acacia sciophanes*

- Inspected and surveyed populations in Mukinbudin Shire in March and August 2006
- Meet with Mukinbudin shire counsellors to discuss protection of DRF in the shire – particularly *Acacia sciophanes*.

#### *Acacia subflexuosa* subsp. *capillata*

- Translocation written and submitted to Region for endorsement with implementation proposed for Charles Gardner Nature Reserve (A 20041) in 2007.
- Seed collection from population 1 in conjunction with DEC Threatened Seed Centre.
- Monitoring of all sub-populations, installation of new markers where required.
- Liaison with works supervisor, Shire of Tammin, regarding population 1.
- Collected specimens for District and Perth herbariums.

#### *Acacia volubilis*

- See section 5 for translocation details.
- Surveyed and recorded a new population on the Harris Back road, installed DRF markers on 20<sup>th</sup> July 2006.
- Monitored population 10 & 3 replaced markers.
- Monitored populations 7, 12 and the 'new' population on Harris Back Road.
- Hand weeding of new population, population 7, 12 & 3.
- Installed chemical drift netting for 'new' population and 12.

#### *Cyphanthera odgersii* subsp. *occidentalis*

- Survey all populations in Feb and April 2006
- Specimen collected for Yilgarn Herbarium
- Monitored population 1a, b & c.
- Rabbit proof fencing erected around individual plants and existing boundary fences repaired.

#### *Darwinia carnea*

- Assisted in translocation (Gillian Stack) site preparation and monitoring at Udamung Nature Reserve (C 965).

#### *Daviesia cunderdin*

- See section 5 for translocation details.
- Monitored and survey pop 1 and translocation site in March 06.

- Assisted with replanting, monitoring and watering of translocation, Cunderdin.

*Daviesia euphorbioides*

- Regular watering and monitoring of Population 7 – 2005 Induced recruitment burn site (7 plants survived 2006). Hand-weeding and spraying of African lovegrass at population.
- Maintenance of translocation at Hind Marsh Nature Reserve (A 14510) including watering, tank re-fill, hand-weeding and monitoring.
- Weed control using herbicide at population 10
- Conduct rabbit control at population 8 in May 06.
- Conduct recruitment trials at populations 5 (burn), population 8 (soil disturbance) and smoke water trial at population 10 on 23<sup>rd</sup> May 06.
- Construct protective fences around recruitment trial sites in May and July 2006.
- Conduct germination surveys at recruitment trail populations.
- Monitoring of population 5 for recruitment.

*Daviesia microcarpa*

- Surveyed 2 populations in Yilgarn Shire in October 2006,
- 1 new population recorded.
- Seed collected in November 06.
- Liaised with the Environmental officer and Manager from St Barbara Mining Company regarding protection of populations.
- Herbarium sample collected for Yilgarn District Herbarium.

*Eremophila pinnatifida*

- Surveyed all populations on 15<sup>th</sup> Feb 06.
- Survey for new populations in Dalwallinu shire reserves in July 06.
- Monitor population 1b and 4.
- Half day survey of critical habitat, Reserve 15867, Dallwallinu.
- Approvals obtained for fencing of population 4 for 2007.

*Gastrolobium diabolophyllum*

- Surveyed population 1 in Yilgarn Shire in October 2006,
- 1 new population recorded.
- Population 2, previously known only from WA Herbarium records was relocated and fully surveyed in September 2006.
- Herbarium sample collected for Yilgarn District Herbarium.

*Gastrolobium glaucum*

- Collected specimens for Wongan-Ballidu Regional herbarium and Perth herbarium
- Surveyed populations 1a & b

*Gastrolobium hamulosum*

- Collected specimens for Wongan-Ballidu Regional herbarium and Perth herbarium
- Survey populations 1A, B, C and D in March 2006.

*Grevillea dryandroides* subsp. *dryandroides*

- Monitored population 3b

*Grevillea pythara*

- Monitoring of population 1a, b & c.

*Guichenotia seorsiflora* ms

- Surveyed populations in Kellerberrin Shire in August 2006 by Narrogin and Avon-Mortlock staff.
- Surveyed populations 1, 3, 4a & b.
- Seed collected from population 1.
- Critical habitat survey, North Bungalla Nature Reserve (A 17732).
- Collected specimens for Regional and Perth herbarium

*Isopogon robusta*

- Surveyed population in Yilgarn Shire in October 2006.
- Seed collected in November 06.
- Desktop critical habitat mapping report was completed in 2006, field surveys to be conducted in 2007.
- Herbarium sample collected for Yilgarn District Herbarium.

*Lysiosepalum abollatum*

- Collected specimens for Wongan-Ballidu Regional herbarium and Perth herbarium.

*Pityrodia scabra*

- Surveyed and monitored all known populations in April 06
- Up-grading of conservation status from vulnerable to critically endangered.
- Collection of cuttings from the remaining 4 plants at the translocation. Cuttings sent to Botanic Gardens and Parks Authority for propagation.
- Seed collection from translocated plants.

*Philothea basistyla*

- Surveyed population in Trayning and Nungarin Shires in May 2006.
- Herbarium sample collected for Yilgarn District Herbarium.

*Rhizanthella gardneri*

- Surveys conducted by Narrogin and Kensington staff in 2006

*Symonanthus bancroftii* (Yilgarn District) -

- Translocation sites restocked in June 2006 in conjunction with Botanical Gardens and Parks Authority.
- Regular inspection and watering of translocation populations in Bruce Rock Shire conducted during 2006.
- Seed collected in November 06.

*Tetratheca deltoidea* (Yilgarn District) -

- Inspected population in Kellerberrin Shire in August 2006.



*Thomasia* sp. *Green Hill*

- Surveyed populations 1a & b
- Seed collected from population 1a.
- Collected specimens for Regional and Perth herbarium.

**4.2 Endangered***Acacia ataxiphylla* subsp. *magna*

- New population of 20 individuals discovered in Dowerin (Reserve 47960). Specimens for Perth and Northam herbarium (to be confirmed).
- Monitored population 10.
- Surveyed population 6.

*Banksia cuneata*

- Liaised with Badjaling Aboriginal Group in Quairading regarding population 2 and future recovery actions.

*Conostylis wonganensis*

- Collected specimens for Wongan-Ballidu Regional herbarium and Perth herbarium.
- Surveyed powerline maintenance (tree lopping) track for plants prior to works.

*Daviesia dielsii*

- Monitored population 1

*Eremophila resinosa*

- Wildlife Officer (Yilgarn) liaison with Shire of Wyalkatchem regarding road maintenance activities at population 2. Replacement of markers.
- Collected specimens for Avon-Mortlock herbarium and Perth herbarium
- Surveyed all populations in Westonia Shire in March 2006, inspect translocation project at Westonia

*Eremophila virens*

- Surveyed populations in Westonia and Mukinbudin Shires in September and October 2006
- Specimen collected for Yilgarn Herbarium

*Eremophila viscida*

- Surveyed populations in Wongan Ballidu, Mukinbudin and Westonia Shire in March 2006.
- Two new populations recorded in Chiddarcooping Nature Reserve (A 19210) in Westonia and Wongan-Ballidu Shires.
- Survey for population 1 (last seen in 1990s) failed to locate any plants.
- Approval to remove a snapped branch from population 3 in Sept 06. Specimen collected for Yilgarn Herbarium

*Eucalyptus brevipes*

- Surveyed 2 populations in Mukinbudin and Mt Marshall Shires in March and September 2006,
- 1 new population recorded in Mt Marshall Shire.
- Seed collected from population 3 in Sept 06
- Specimen collected for Yilgarn Herbarium

*Eucalyptus crucis* subsp. *crucis*

- Surveyed population 6 Yilgarn Shires in November 2006
- Specimen collected for Yilgarn Herbarium

*Frankenia parvula*

- Liaised with landholders regarding population 2A and 2B. Collected specimens for Avon-Mortlock herbarium and Perth herbarium
- Survey population 3 in Kellerberrin Shire in March and November 2006 and organise for fencing of population.
- Survey population 1 in Yilgarn Shire in December 2006, specimen collected for Yilgarn Herbarium

*Grevillea bracteosa*

- Monitored population 4

*Hakea aculeata*

- Populations 6, 7, 14, 23 (extinct), 16A & B monitored.
- 1 new population discovered, consisting of 13 plants, located on private property in Quairading.

*Melaleuca sciotostyla*

- Collected specimens for Wongan-Ballidu Regional herbarium and Perth herbarium
- Survey new population on private property at Cadoux (population 3).
- Specimen collected for Yilgarn Herbarium

*Verticordia hughanii*

- Collected specimens for Wongan-Ballidu Regional herbarium and Perth herbarium.
- Liaison with Reserves Officer regarding closure of track at population 1 at Hind Marsh Nature Reserve (A 14510).

### 4.3 *Vulnerable*

*Acacia caesariata*

- Upgraded from Priority 1 to DRF vulnerable 2006.
- Population 1C occurs in an area of planned road works, cuttings were collected in March 06 and sent to Kings Park, however no cutting survived.
- Liaison with Trayning Shire in relation to the planned road works will continue in 2007.

- Population 1 regularly monitored for seed in 2006.
- Seed collected in December 2006.

*Acacia denticulosa*

- Surveyed 1 new populations in Mukinbudin Shire in Sept 2006

*Allocasuarina fibrosa*

- Monitored population 3
- Surveyed populations 1a, b & c.
- Collected specimens for Regional and Perth herbarium

*Banksia sphaerocarpa* var. *dolichostyla*

- Full survey of new population located in Yilgarn shire in Jan 06
- Surveyed population 4C in Kondinin Shire in Oct 2006

*Boronia adamsiana* (Yilgarn District) -

- Surveyed 1 population in Mukinbudin Shire in Sept 2006
- New population located in Mt Marshal Shire in November 2006.
- Application to take completed in Dec 06 to remove plants on fire access tracks in Mt Marshall UCL.
- Specimen collected for Yilgarn Herbarium

*Eremophila ternifolia*

- Collected specimens for Wongan-Ballidu Regional herbarium and Perth herbarium

*Grevillea dryandroides* subsp. *hirsuta*

- Fencing of population 9 (Dowerin) to aid in the protection of the population along a railway reserve
- Survey populations 4A and B
- Collect seed from population 4A in May 06.
- Weed control conducted at pop 4A in July 06
- Survey population 9 and meet with Westnet rail to discuss fencing in March 06
- Monitor population 5 in March 06.
- Population 4 monitored by Andrew Crawford from the Threatened Flora Seed Centre in 2006. Andrew's travel costs associated with visiting the population 4B site to be paid out of the Westnet rail off-set budget.
- Surveyed population 5 and critical habitat within Hindmarsh Nature Reserve (A 14510), September 2006.
- Monitored population 10, October 2006.

*Microcorys eremophiloides*

- Monitoring of population 9A.
- Surveyed private property remnants at Wattenguttin Hill and Uberin rock in conjunction with Wongan-Ballidu Bushcare Group volunteers.
- Discovery of new sub-population on private property at Uberin rock, consisting of 11 plants.

- Collected specimens for Avon-Mortlock herbarium and Perth herbarium.
- Wattengutten Hill habitat surrounding Population 9 was surveyed in May 06 to allow for Water Corporation pipeline works.

*Muelleranthus crenulatus*

- Surveyed all populations in Kondinin Shire in September and Oct 2006
- Small amount of seed collected from population 2A
- Specimen collected for Yilgarn Herbarium

*Rhagodia acicularis*

- Collected specimens for Wongan-Ballidu Regional herbarium and Perth herbarium

*Roycea pycnophylloides*

- Monitored population 2, 15, 14. Collected specimens for Avon-Mortlock herbarium and Perth herbarium.
- Surveyed population 1. Installed markers.
- Surveyed 4 populations in Kellerberrin and Cunderdin Shires in March and November and organise for fencing of population 14.
- Specimen collected for Yilgarn Herbarium

*Thomasia glabripetala*

- Collected specimens for Avon-Mortlock herbarium and Perth herbarium
- Monitored populations 3, 4, 5, 6. Installed markers where required.
- New population (WA Herbarium) surveyed in Cunderdin, installed markers and liaised with Shire.

#### **4.4 Priority One**

*Acacia desertorum* var. *nudipes*

- Surveyed Yilgarn populations in Oct 2006.
- 1 new population recorded in the Yilgarn Shire in Oct 2006.
- Specimen collected for Yilgarn Herbarium

*Dampiera glabrescens*

- Surveyed populations 1a, b & c, October 2006.
- Collected specimens for Avon-Mortlock herbarium and Perth herbarium

*Grevillea marriottii*

- Surveyed 3 populations in Yilgarn Shire in Oct 2006
- Specimen collected for Yilgarn Herbarium

*Grevillea minutiflora*

- Surveyed 2 populations in Mukinbudin Shire in Sept 2006
- Specimen collected for Yilgarn Herbarium

*Leucopogon* sp. Parker Range (F.H. & M.P. Mollemans 2860)

- Inspected 1 populations in Yilgarn Shire in Oct 2006



#### 4.5 *Priority Two*

##### *Acacia livellata* subsp. *compressa*

- Surveyed 2 populations in Wongan-Ballidu in June 06
- Located 1 new population in Wongan-Ballidu Shire in June 2006

##### *Calytrix parvivallis*

- Surveyed population 1
- Collected specimens for Avon-Mortlock and Perth herbarium.

##### *Hakea pendens*

- Surveyed 1 population in Yilgarn Shire in Oct 2006
- Specimen collected for Yilgarn Herbarium

#### 4.6 *Priority Three*

##### *Frankenia glomerata*

- Various new populations discovered on the Mortlock Flats and in Kellerberrin
- Collected specimens for Avon-Mortlock/Yilgarn herbarium and Perth herbarium (to be confirmed).

##### *Gastrolobium spectabile*

- Monitor population at Billyacatting Hill reserve (17746), Shire of Trayning.

##### *Grevillea roycei*

- New population recorded in the Shire of Dowerin. Collected specimens for Avon-Mortlock herbarium and Perth herbarium

##### *Stylidium pulviniforme*

- Monitor population 2 in Yellowdine.

#### 4.7 *Priority Four*

##### *Acacia semicircularis*

- Collected specimens for Wongan-Ballidu Regional herbarium and Perth herbarium
- Surveyed powerline maintenance (tree lopping) track for species prior to works.

##### *Calothamnus brevifolius*

- Monitored population 6.
- Collected specimens for Avon-Mortlock herbarium and Perth herbarium.
- New population recorded in the Shire of Dowerin. Collected specimens for Avon-Mortlock herbarium and Perth herbarium (to be confirmed).

*Dryandra comosa*

- Collected specimens for Wongan-Ballidu Regional herbarium and Perth herbarium

*Dryandra pulchella*

- Collected specimens for Wongan-Ballidu Regional herbarium and Perth herbarium

*Dryandra wonganensis*

- Collected specimens for Wongan-Ballidu Regional herbarium and Perth herbarium

*Hemigenia platyphylla*

- New population surveyed (WA Herbarium) at Mt Bakewell in conjunction with York River Conservation Society. Collected specimens for Avon-Mortlock herbarium and Perth herbarium

## 5 TRANSLOCATIONS

*Acacia subflexuosa* subsp. *capillata*

- Translocation proposal written and submitted for endorsement

*Acacia volubilis* and *Daviesia cunderdin*

- Monitoring of 2003 translocation on the 12<sup>th</sup> July 2006.
- Translocation was re-stocked with seedlings of both *Acacia volubilis* and *Daviesia cunderdin* on the 12<sup>th</sup> July 2006 (third year of translocation)
- Installation of reticulation including a 5000 litre tank, on-going watering of 2006 plantings
- Hand-weeding of site conducted

*Daviesia euphorbioides*

- Monitoring undertaken on 13<sup>th</sup> March 06 for survival / growth rates and regular monitoring of reticulation during summer of 2006
- Survival rate of 94.6% in second year
- Hand-weeding of site conducted October 2006

*Darwinia carnea*

- Assisted Gillian Stack (Species and Communities Branch) in the planting of the translocation at Udamung Nature Reserve (C 965).

*Eremophila resinosa*

- Translocation sites monitored and watered in 2006.
- Westonia Shire Community Landcare Coordinator implemented summer watering program

*Pityrodia scabra*

- Monitored past translocation sites (population 1T and 4T)

- Seed collected from 4 translocated plants at translocation site (1T)
- Cuttings taken from 4 translocated plants at sent to Botanic Gardens and Parks Authority (BGPA) for propagation and species security

#### *Symonanthus bancroftii*

- Both Ardath and Nangeen Hills translocation sites were restocked in June 2006.
- Sites regularly monitored and watered from July 2006.
- Neighbouring farmers implement weekly watering program at both sites.

## **6 INDUCED RECRUITMENT PRESCRIBED BURNS**

#### *Daviesia euphorbioides*

- Conduct recruitment trials at populations 5 (burn), population 8 (soil disturbance) and smoke water trial at population 10 on 23<sup>rd</sup> May 06.
- Construct protective fences around recruitment trial sites in May and July 2006.
- Conduct germination surveys at recruitment trail populations.
- Weed control carried-out regularly over winter and spring on the 2006 recruitment burn site
- Regular hand watering of seedlings commencing at the 2006 recruitment burn site in November 2005 and continued until April 2006.

## **7 RARE FLORA GARDENS**

#### *Goomalling and Dowerin*

- Restocking of plants occurred at the August 2006 recovery team meeting

#### *Wongan Hills*

- Weed control carried-out at in 2006
- Mulching and re-stocking of plants
- Weed control (hand-weeding and herbicide application), mulching and addition of new reticulation fittings to garden by Wongan Hill Shire Horticulturalists and Conservation officer.

#### *Westonia and Mukinbudin*

- Proposals have been developed for the establishment of rare flora gardens in Westonia and Mukinbudin shires.

## **8 APPLICATION TO TAKE RARE FLORA**

The following species have had applications to take completed in 2006:

- *Boronia adamsiana* – 2.5% of the total area of the new population in Mt Marshal in Dec 2006.

## 9 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, Poorly known and other flora of Wongan-Ballidu” flora information book as a joint project between DEC and the Wongan-Ballidu Bush Care Group.
- Launch of the “Threatened, Poorly known and other flora of Wongan-Ballidu” flora information book on the 13<sup>th</sup> December 06 in conjunction with the Wongan-Ballidu community.
- Rare flora training conducted with Nungarin Shire works crew.
- Rare flora and Back from the Edge project display at the 2006 Dowerin Field Days. Also involved community liaison, answering queries and promotion of surveys and covenants in privately owned remnant bush.
- One DRF article in the Wongan-Ballidu newspaper ‘Wongan Boomer’ and one article in the Wheatbelt Mercury.
- 5 x ‘Have you seen this plant?’ postcards produced (5 Critical) produced for post office box drop through coming year.

The following activities have taken place in order to increase community awareness of threatened flora within the Avon-Mortlock District:

- 7 x ‘Have you seen this plant?’ postcards produced (5 Critical, 1 Endangered and 1 Vulnerable species) for post office box drop through coming year.
- Production of ‘Back from the Edge’ awareness poster and ANDA project handout detailing purpose of project and recovery actions in progress. Poster displayed at Dowerin and Newdegate Field Days and handout distributed.
- Rare flora and ‘Back from the Edge’ project display at the 2006 Dowerin Field Days. Also involved community liaison, answering queries and promotion of surveys and covenants in privately owned remnant bush.
- WATSNU article on Avon-Mortlock threatened flora and new district boundaries
- ‘Back from the Edge’ information display at local shopping centre, Northam.
- Production of Wongan Hills DRF and Priority Species pictorial map depicting species flowering times, conservation status and location in Nature Reserves.

## 10 DISTRICT THREATENED FLORA HERBARIUM

- The collection and curation of a 14 DRF species and 4 priority species occurred in the Yilgarn District during 2006.
- Collection of 7 DRF and 4 priority species for the Wongan-Ballidu Regional Herbarium with duplicate specimens for the Avon-Mortlock District herbarium.
- Various other collections made in conjunction with flora monitoring and surveying.



## 11 THREATENED ECOLOGICAL COMMUNITIES

The following sites were inspected/monitored in conjunction with the Species and Communities Branch:

- Natural Organic Saline Seep (Boase, Dowerin).
- *Casuarina obesa* and *Melaleuca strobophylla* wetland (Lee, Dowerin)
- Various private property sites making up the Mortlock Flats TEC (Cunderdin).
- *Banksia prionotes* and *Xylomelum angustifolium* woodland on yellow sand (Dowerin).

## 12 CONCLUSION

The change of the DEC Wheatbelt Regional boundaries in 2006 and the increase in flora conservation staff in the Region has meant that the Conservation Officers have been able to implement a much larger number of recovery actions for a wide range of DRF and Priority flora species in the Avon-Mortlock and Yilgarn districts.

The DEC Yilgarn and Avon-Mortlock 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 and Avon-Mortlock District throughout 2006. This assistance, co-operation and actions have made a significant contribution to the conservation of the Wheatbelt's threatened flora and threatened ecological communities.

### Appendix 1: Threatened Flora List Avon-Mortlock & Yilgarn District 2006

Taxa currently listed for the Avon-Mortlock and Yilgarn District as at December 2006 are as follows:

Avon-Mortlock: 67 DRF (25 CR, 22 EN, 19 VU)

Avon-Mortlock: 298 Priority (53 P1, 64 P2, 118 P3, 63 P4)

Yilgarn District: 33 DRF (11 CR, 8 EN, 14 VU)

Yilgarn District: 86 Priority (38 P1, 19 P2, 12 P3, 16 P4)

<b>Critically Endangered Flora Taxa</b>
<i>Acacia cochlocarpa</i> subsp. <i>velutinos</i>
<i>Acacia pharangites</i>
<i>Acacia subflexuosa</i> subsp. <i>capillata</i>
<i>Acacia sciophanes</i>
<i>Acacia vassalii</i>
<i>Acacia volubilis</i>
<i>Caladenia drakeoides</i>
<i>Calothamnus accedens</i>
<i>Cyphanthera odgersii</i> subsp. <i>occidentalis</i>
<i>Darwinia carnea</i>
<i>Daviesia cunderdin</i>
<i>Daviesia euphorbioides</i>
<i>Daviesia microcarpa</i>
<i>Eremophila pinnatifida</i> ms
<i>Gastrolobium diabolophyllum</i>
<i>Gastrolobium glaucum</i>
<i>Gastrolobium hamulosum</i>
<i>Grevillea dryandroides</i> subsp. <i>dryandroides</i>
<i>Grevillea pythara</i>
<i>Guichenotia seorsiflora</i> ms
<i>Gyrostemon reticulatus</i>
<i>Haloragis platycarpa</i>
<i>Hemiandra rutilans</i> (CR, X)
<i>Isopogon robustus</i> ms
<i>Lysiosepalum abollatum</i> ms
<i>Pityrodia axillaris</i>
<i>Pityrodia scabra</i>
<i>Rhizanthella gardneri</i>

<b>Critically Endangered Flora Taxa</b>
<i>Thomasia</i> sp. <i>Green Hill</i> (Paust 1322)
<i>Tetratheca deltoidea</i>
<i>Verticordia staminosa</i> subsp. <i>staminosa</i>

<b>Endangered Flora Taxa</b>
<i>Acacia ataxiphylla</i> subsp. <i>magna</i>
<i>Acacia chapmanii</i> subsp. <i>australis</i>
<i>Acacia lobulata</i>
<i>Acacia pygmaea</i>
<i>Banksia cuneata</i>
<i>Centrolepis caespitosa</i>
<i>Conospermum densiflorum</i> subsp. <i>unicephalatum</i>
<i>Conostylis wonganensis</i>
<i>Darwinia acerosa</i>
<i>Daviesia dielsii</i>
<i>Eremophila resinosa</i>
<i>Eremophila viscida</i>
<i>Eremophila virens</i>
<i>Eucalyptus pruiniramis</i>
<i>Eucalyptus brevipes</i>
<i>Eucalyptus crucis</i> subsp. <i>crucis</i>
<i>Frankenia parvula</i>
<i>Grevillea bracteosa</i>
<i>Grevillea christineae</i>
<i>Hakea aculeata</i>
<i>Jacksonia quairading ms</i>
<i>Melaleuca sciotostyla</i>
<i>Philothea wonganensis</i>
<i>Ptilotus fasciculatus</i>
<i>Spirogardnera rubescens</i>
<i>Stylidium coroniforme</i> subsp. <i>coroniforme</i>
<i>Verticordia hughanii</i>

<b>Vulnerable Flora Taxa</b>
<i>Acacia denticulosa</i>
<i>Acacia aphylla</i>
<i>Acacia brachypoda</i>
<i>Acacia lanuginophylla</i>
<i>Allocasuarina fibrosa</i>
<i>Banksia sphaerocarpa</i> var. <i>dolichostyla</i>
<i>Boronia adamsiana</i>
<i>Calectasia pignattiana</i>
<i>Dryandra mimica</i>
<i>Dryandra serratuloides</i> subsp. <i>serratuloides</i>
<i>Eremophila ternifolia</i>
<i>Eremophila vernicosa</i> ms
<i>Eucalyptus recta</i>
<i>Eucalyptus synandra</i>
<i>Frankenia conferta</i>
<i>Grevillea dryandroides</i> subsp. <i>hirsuta</i>
<i>Gastrolobium graniticum</i>
<i>Lechenaultia laricina</i>
<i>Microcorys eremophiloides</i>
<i>Muelleranthus crenulatus</i>
<i>Myriophyllum lapidicola</i>
<i>Rhagodia acicularis</i>
<i>Roycea pycnophylloides</i>
<i>Thomasia glabripetala</i>
<i>Thomasia montana</i>



## Priority Flora (Avon-Mortlock District)

## Priority One Taxa

<i>Acacia</i>	<i>stanleyi</i>		
<i>Acacia</i>	<i>trinalis</i>		
<i>Acacia</i>	<i>nigripilosa</i>	subsp.	<i>latifolia</i>
<i>Acacia</i>	<i>inceana</i>	subsp.	<i>latifolia</i>
<i>Acacia</i>	sp. Goodlands (B.R. Maslin 7761)		
<i>Acacia</i>	sp. Kalannie North (B.R. Maslin 7702)		
<i>Acacia</i>	sp. Kalannie North East (BR Maslin 7519) [aff. <i>rigens</i> ]		
<i>Acacia</i>	sp. Manmanning (B.R. Maslin 7711)		
<i>Acacia</i>	sp. Petrudor Rocks (B.R. Maslin 7714)		
<i>Andersonia</i>	<i>saxatilis</i>		
<i>Baeckea</i>	sp. Beringbooding (AR Main 11/9/1957)		
<i>Baeckea</i>	sp. Youndegin Hill (A.S. George 15772)		
<i>Baeckea</i>	sp. Koorda (W.E. Blackall 3371)		
<i>Baeckea</i>	sp. Youndegin Hill (A.S. George 15772)		
<i>Baeckea</i>	Upper Swan (Miss M Eaton s.n. 1888)		
<i>Caladenia</i>	<i>x ornata</i>		
<i>Calandrinia</i>	sp. Piawaning (A.C. Beauglehole 12257)		
<i>Conospermum</i>	<i>galeatum</i>		
<i>Conostylis</i>	<i>caricina</i>	subsp.	<i>elachys</i>
<i>Dampiera</i>	<i>glabrescens</i>		
<i>Darwinia</i>	sp. Wyalgima Hill (L.W. Sage, J.P. Pigott & E.B. Pigott LW)		
<i>Eremophila</i>	<i>glabra</i>	subsp.	<i>chlorella</i>
<i>Eucalyptus</i>	<i>subangusta</i>	subsp.	<i>virescens</i>
<i>Frankenia</i>	<i>bracteata</i>		
<i>Gastrolobium</i>	<i>rotundifolium</i>		
<i>Gnephosis</i>	<i>setifera</i>		
<i>Grevillea</i>	<i>pinifolia</i>		
<i>Grevillea</i>	<i>minutiflora</i>		
<i>Guichenotia</i>	<i>glandulosa</i>		
<i>Hydrocotyle</i>	<i>corynophora</i>		
<i>Lechenaultia</i>	<i>magnifica</i>		
<i>Melaleuca</i>	<i>manglesii</i>		
<i>Melaleuca</i>	<i>barlowii</i>		
<i>Melaleuca</i>	<i>grieveana</i>		
<i>Melaleuca</i>	<i>manglesii</i>		
<i>Micromyrtus</i>	<i>redita</i>		
<i>Paraparmelia</i>	<i>sargentii</i>		
<i>Phebalium</i>	<i>drummondii</i>		
<i>Philothea</i>	<i>nutans</i>		
<i>Pityrodia</i>	sp. Dalwallinu (M. Hislop 1860)		
<i>Ptilotus</i>	<i>stirlingii</i>	var.	<i>pumilus</i>
<i>Scaevola</i>	<i>tortuosa</i>		
<i>Schoenus</i>	<i>pennisetis</i>		
<i>Scholtzia</i>	<i>eatoniana</i>		
<i>Senecio</i>	<i>gilbertii</i>		
<i>Stylidium</i>	<i>coroniforme</i>	subsp.	<i>amblyphyllum</i>
<i>Synaphea</i>	<i>panhesya</i>		
<i>Thomasia</i>	sp. New Norcia (Cayser s.n. Nov. 1918)		
<i>Urodon</i>	sp. Narkal (B.H. Smith 1440)		
<i>Verticordia</i>	<i>roei</i>	subsp.	<i>meiogona</i>
<i>Xanthoparmelia</i>	<i>subimitatrix</i>		

Priority Two Taxa			
<i>Acacia</i>	<i>dura</i>		
<i>Acacia</i>	<i>congesta</i>	subsp.	<i>wonganensis</i>
<i>Acacia</i>	<i>browniana</i>	var.	<i>glaucescens</i>
<i>Acacia</i>	<i>arcuatifolia</i>		
<i>Acacia</i>	<i>congesta</i>	subsp.	<i>wonganensis</i>
<i>Acacia</i>	<i>sclerophylla</i>	var.	<i>pilosa</i>
<i>Acacia</i>	<i>drewiana</i>	subsp.	<i>minor</i>
<i>Acacia</i>	<i>synoria</i>		
<i>Acacia</i>	<i>drewiana</i>	subsp.	<i>minor</i>
<i>Acacia</i>	<i>lirellata</i>	subsp.	<i>compressa</i>
<i>Acacia</i>	<i>congesta</i>	subsp.	<i>wonganensis</i>
<i>Acacia</i>	<i>vittata</i>		
<i>Acacia</i>	<i>subrigida</i>		
<i>Aluta</i>	<i>aspera</i>	subsp.	<i>localis</i>
<i>Amperea</i>	<i>micrantha</i>		
<i>Andersonia</i>	<i>carinata</i>		
<i>Baeckea</i>	sp. Calingiri (F. Hort 1710)		
<i>Boronia</i>	<i>ericifolia</i>		
<i>Calandrinia</i>	<i>kalanniensis</i>		
<i>Calytrix</i>	<i>parvivallis</i>		
<i>Calytrix</i>	<i>oncophylla</i>		
<i>Calytrix</i>	sp. Jingaring		
<i>Chamelaucium</i>	<i>croxfordiae</i>		
<i>Comesperma</i>	<i>griffinii</i>		
<i>Cyanicula</i>	<i>ixioides</i>	subsp.	<i>candida</i>
<i>Darwinia</i>	sp. Westdale (F. Hort 864)		
<i>Dryandra</i>	<i>speciosa</i>	subsp.	<i>speciosa</i>
<i>Dryandra</i>	<i>lindleyana</i>	subsp.	<i>agricola</i>
<i>Eremophila</i>	<i>sargentii</i>		
<i>Fitzwillia</i>	<i>axilliflora</i>		
<i>Gastrolobium</i>	<i>wonganense</i>		
<i>Goodenia</i>	<i>arthrotricha</i>		
<i>Grevillea</i>	<i>nana</i>	subsp.	<i>abbreviata</i>
<i>Grevillea</i>	<i>rosieri</i>		
<i>Grevillea</i>	<i>kenneallyi</i>		
<i>Hyalosperma</i>	<i>stoveae</i>		
<i>Jacksonia</i>	<i>rubra</i>		
<i>Lasiopetalum</i>	sp. Northam (F. Hort 1196)		
<i>Lechenaultia</i>	<i>hortii</i>		
<i>Lepidium</i>	<i>genistoides</i>		
<i>Leucopogon</i>	<i>amplectens</i>		
<i>Leucopogon</i>	<i>cymbiformis</i>		
<i>Leucopogon</i>	sp. Bungulla (R.D. Royce 3435)		
<i>Leucopogon</i>	sp. Flynn (F. Hort, J. Hort & A. Lowrie 859)		
<i>Leucopogon</i>	sp. Bungulla (R.D. Royce 3435)		
<i>Melaleuca</i>	<i>oldfieldii</i>		
<i>Microcorys</i>	<i>lenticularis</i>		
<i>Millotia</i>	<i>pilosa</i>		
<i>Opercularia</i>	<i>rubrioides</i>		
<i>Petrophile</i>	<i>clavata</i>		
<i>Podotrochea</i>	<i>pritzelii</i>		
<i>Schoenus</i>	<i>griffinianus</i>		
<i>Schoenus</i>	<i>capillifolius</i>		

Priority Two Taxa			
<i>Scholtzia</i>	sp. Gunyi (J.D. Briggs 1721)		
<i>Stenanthemum</i>	<i>grandiflorum</i>		
<i>Stylidium</i>	<i>pseudosacculatum</i>		
<i>Synaphea</i>	<i>rangiferops</i>		
<i>Synaphea</i>	<i>tamminensis</i>		
<i>Synaphea</i>	<i>sparsiflora</i>		
<i>Synaphea</i>	<i>boyaginensis</i>		
<i>Synaphea</i>	<i>tripartita</i>		
<i>Trichocline</i>	sp. Treeton (B.J. Keighery & N. Gibson 564)		
<i>Tricoryne</i>	sp. Wongan Hills (B.H. Smith 794)		
<i>Verticordia</i>	<i>wonganensis</i>		

Priority Three Taxa			
<i>Acacia</i>	<i>anarthros</i>		
<i>Acacia</i>	<i>ancistrophylla</i>	var.	<i>perarcuata</i>
<i>Acacia</i>	<i>campylophylla</i>		
<i>Acacia</i>	<i>cunningiana</i>		
<i>Acacia</i>	<i>cylindrica</i>		
<i>Acacia</i>	<i>deflexa</i>		
<i>Acacia</i>	<i>dissona</i>	var.	<i>indoloria</i>
<i>Acacia</i>	<i>drummondii</i>	subsp.	<i>affinis</i>
<i>Acacia</i>	<i>eremophila</i>	var.	<i>variabilis</i>
<i>Acacia</i>	<i>filifolia</i>		
<i>Acacia</i>	<i>horridula</i>		
<i>Acacia</i>	<i>inophloia</i>		
<i>Acacia</i>	<i>insolita</i>	subsp.	<i>efoliolata</i>
<i>Acacia</i>	<i>isoneura</i>	subsp.	<i>nimia</i>
<i>Acacia</i>	<i>lirellata</i>	subsp.	<i>lirellata</i>
<i>Acacia</i>	<i>oncinophylla</i>	subsp.	<i>oncinophylla</i>
<i>Acacia</i>	<i>phaeocalyx</i>		
<i>Acacia</i>	<i>pulchella</i>	var.	reflexa acuminate bracteole variant (R.J. Cummin)
<i>Acacia</i>	<i>repanda</i>		
<i>Acacia</i>	<i>ridleyana</i>		
<i>Acacia</i>	<i>scalena</i>		
<i>Acacia</i>	<i>undosa</i>		
<i>Adenanthos</i>	<i>cygnorum</i>	subsp.	<i>chamaephyton</i>
<i>Allocasuarina</i>	<i>grevilleoides</i>		
<i>Angianthus</i>	<i>micropodioides</i>		
<i>Anigozanthos</i>	<i>bicolor</i>	subsp.	<i>exstans</i>
<i>Arnocrinum</i>	<i>drummondii</i>		
<i>Austrostipa</i>	<i>blackii</i>		
<i>Baeckea</i>	sp. Tammin		
<i>Beaufortia</i>	<i>eriocephala</i>		
<i>Blennospora</i>	<i>phlegmatocarpa</i>		
<i>Boronia</i>	<i>penicillata</i>		
<i>Brachyloma</i>	<i>mogin</i>		
<i>Calytrix</i>	<i>plumulosa</i>		
<i>Calytrix</i>	<i>nematoclada</i>		

Priority Three Taxa			
<i>Chamaescilla</i>	<i>gibsonii</i>		
<i>Chamelaucium</i>	<i>conostigmum</i>		
<i>Comesperma</i>	<i>acerosum</i>		
<i>Conospermum</i>	<i>eatoniae</i>		
<i>Conospermum</i>	<i>scaposum</i>		
<i>Cryptandra</i>	<i>polyclada</i>	subsp.	<i>polyclada</i>
<i>Cryptandra</i>	<i>dielsii</i>		
<i>Daviesia</i>	<i>debilior</i>	subsp.	<i>sinuans</i>
<i>Daviesia</i>	<i>uncinata</i>		
<i>Daviesia</i>	<i>epiphyllum</i>		
<i>Daviesia</i>	<i>uncinata</i>		
<i>Dicrastylis</i>	<i>reticulata</i>		
<i>Dicrastylis</i>	<i>corymbosa</i>		
<i>Dicrastylis</i>	<i>velutina</i>		
<i>Dryandra</i>	<i>horrida</i>		
<i>Dryandra</i>	<i>pteridifolia</i>	subsp.	<i>vernalis</i>
<i>Dryandra</i>	<i>lindleyana</i>	subsp.	<i>pollostata</i>
<i>Dryandra</i>	<i>kippistiana</i>	var.	<i>paenepeccata</i>
<i>Eucalyptus</i>	<i>macrocarpa x pyriformis</i>		
<i>Eucalyptus</i>	<i>sargentii</i>	subsp.	<i>onesia</i>
<i>Eucalyptus</i>	<i>spathulata</i>	subsp.	<i>salina</i>
<i>Eucalyptus</i>	<i>sargentii</i>	subsp.	<i>onesia</i>
<i>Euryomyrtus</i>	<i>recurva</i>		
<i>Frankenia</i>	<i>glomerata</i>		
<i>Gastrolobium</i>	<i>spectabile</i>		
<i>Gastrolobium</i>	<i>alternifolium</i>		
<i>Gastrolobium</i>	<i>axillare</i>		
<i>Gompholobium</i>	<i>cinereum</i>		
<i>Goodenia</i>	<i>perryi</i>		
<i>Goodenia</i>	<i>trichophylla</i>		
<i>Grevillea</i>	<i>asparagoides</i>		
<i>Grevillea</i>	<i>candicans</i>		
<i>Grevillea</i>	<i>eriobotrya</i>		
<i>Grevillea</i>	<i>florida</i>		
<i>Grevillea</i>	<i>granulosa</i>		
<i>Grevillea</i>	<i>haplantha</i>	subsp.	<i>recedens</i>
<i>Grevillea</i>	<i>manglesii</i>	subsp.	<i>dissectifolia</i>
<i>Grevillea</i>	<i>roycei</i>		
<i>Grevillea</i>	<i>tenuiloba</i>		
<i>Guichenotia</i>	<i>impudica</i>		
<i>Guichenotia</i>	<i>tuberculata</i>		
<i>Gunniopsis</i>	<i>rubra</i>		
<i>Hemiandra</i>	<i>coccinea</i>		
<i>Hibbertia</i>	<i>glomerata</i>	subsp.	<i>wandoo</i>
<i>Hopkinsia</i>	<i>anoectocolea</i>		
<i>Lechenaultia</i>	sp. Kokardine (B.H. Smith 177)		
<i>Lepidobolus</i>	<i>densus</i>		
<i>Levenhookia</i>	<i>octomaculata</i>		
<i>Melaleuca</i>	<i>sclerophylla</i>		
<i>Microcorys</i>	<i>tenuifolia</i>		

Priority Three Taxa			
<i>Mimulus</i>	<i>repens</i>		
<i>Monotoca</i>	<i>leucantha</i>		
<i>Myriocephalus</i>	<i>appendiculatus</i>		
<i>Persoonia</i>	<i>rudis</i>		
<i>Persoonia</i>	<i>pungens</i>		
<i>Persoonia</i>	<i>chapmaniana</i>		
<i>Petrophile</i>	<i>biternata</i>		
<i>Petrophile</i>	<i>plumosa</i>		
<i>Phebalium</i>	<i>brachycalyx</i>		
<i>Phlegmatospermum</i>	<i>drummondii</i>		
<i>Podotrocha</i>	<i>uniseta</i>		
<i>Prostanthera</i>	<i>nanophylla</i>		
<i>Psammomoya</i>	<i>implexa</i>		
<i>Sarcocornia</i>	<i>globosa</i>		
<i>Schoenus</i>	<i>benthamii</i>		
<i>Stylidium</i>	<i>cyniferum</i>		
<i>Stylidium</i>	<i>sacculatum</i>		
<i>Stylidium</i>	<i>longitubum</i>		
<i>Synaphea</i>	<i>constricta</i>		
<i>Tetratheca</i>	<i>similis</i>		
<i>Tetratheca</i>	<i>retrorsa</i>		
<i>Tetratheca</i>	<i>pilifera</i>		
<i>Thomasia</i>	<i>tenuivestita</i>		
<i>Thysanotus</i>	<i>tenuis</i>		
<i>Triglochin</i>	<i>stowardii</i>		
<i>Urodon</i>	<i>capitatus</i>		
<i>Verticordia</i>	<i>venusta</i>		
<i>Verticordia</i>	<i>muelleriana</i>	subsp.	<i>muelleriana</i>
<i>Verticordia</i>	<i>rutilastra</i>		
<i>Verticordia</i>	<i>insignis</i>	subsp.	<i>eomagis</i>
<i>Verticordia</i>	<i>serrata</i>	var.	<i>linearis</i>
<i>Verticordia</i>	<i>huegelii</i>	var.	<i>tridens</i>
<i>Xanthoparmelia</i>	<i>hypoleiella</i>		

Priority Four Taxa			
<i>Acacia</i>	<i>alata</i>	var.	<i>platyptera</i>
<i>Acacia</i>	<i>botrydion</i>		
<i>Acacia</i>	<i>cuneifolia</i>		
<i>Acacia</i>	<i>semicircularis</i>		
<i>Anigozanthos</i>	<i>humilis</i>	subsp.	<i>chrysanthus</i>
<i>Asterolasia</i>	<i>grandiflora</i>		
<i>Astroloma</i>	sp. Cataby (E.A. Griffin 1022)		
<i>Banksia</i>	<i>benthamiana</i>		
<i>Banksia</i>	<i>chamaephyton</i>		
<i>Boronia</i>	<i>tenuis</i>		
<i>Caladenia</i>	<i>integra</i>		
<i>Caladenia</i>	<i>cristata</i>		
<i>Calothamnus</i>	<i>brevifolius</i>		
<i>Calothamnus</i>	<i>pachystachyus</i>		

Priority Four Taxa			
<i>Calothamnus</i>	<i>rupestris</i>		
<i>Calytrix</i>	<i>sylvana</i>		
<i>Centrolepis</i>	<i>caespitosa</i>		
<i>Chordifex</i>	<i>chaunocoleus</i>		
<i>Cyanicula</i>	<i>ixioides</i>	subsp.	<i>ixioides</i>
<i>Darwinia</i>	<i>thymoides</i>	subsp.	<i>bella</i>
<i>Darwinia</i>	sp. Dryandra (G.J. Keighery 9295)		
<i>Darwinia</i>	<i>thymoides</i>	subsp.	<i>bella</i>
<i>Daviesia</i>	<i>oxylobium</i>		
<i>Daviesia</i>	<i>purpurascens</i>		
<i>Daviesia</i>	<i>spiralis</i>		
<i>Diuris</i>	<i>recurva</i>		
<i>Dryandra</i>	<i>comosa</i>		
<i>Dryandra</i>	<i>insulanemorecincta</i>		
<i>Dryandra</i>	<i>platycarpa</i>		
<i>Dryandra</i>	<i>pulchella</i>		
<i>Dryandra</i>	<i>shanklandiorum</i>		
<i>Dryandra</i>	<i>wonganensis</i>		
<i>Eremaea</i>	<i>blackwelliana</i>		
<i>Eucalyptus</i>	<i>exilis</i>		
<i>Eucalyptus</i>	<i>x carnabyi</i>		
<i>Eucalyptus</i>	<i>caesia</i>	subsp.	<i>caesia</i>
<i>Eucalyptus</i>	<i>x carnabyi</i>		
<i>Eucalyptus</i>	<i>loxophleba x wandoo</i>		
<i>Eucalyptus</i>	<i>exilis</i>		
<i>Eucalyptus</i>	<i>latens</i>		
<i>Gastrolobium</i>	<i>callistachys</i>		
<i>Gonocarpus</i>	<i>intricatus</i>		
<i>Grevillea</i>	<i>drummondii</i>		
<i>Grevillea</i>	<i>pimeleoides</i>		
<i>Hemiandra</i>	<i>hancocksiana</i>		
<i>Hemigenia</i>	<i>platyphylla</i>		
<i>Hemigenia</i>	<i>conferta</i>		
<i>Hibbertia</i>	<i>miniata</i>		
<i>Hibbertia</i>	<i>montana</i>		
<i>Hydrocotyle</i>	<i>lemnoides</i>		
<i>Lechenaultia</i>	<i>pulvinaris</i>		
<i>Lepidium</i>	<i>pseudotasmanicum</i>		
<i>Loxocarya</i>	<i>albipes</i>		
<i>Microtis</i>	<i>media</i>	subsp.	<i>quadrata</i>
<i>Persoonia</i>	<i>sulcata</i>		
<i>Regelia</i>	<i>megacephala</i>		
<i>Rumex</i>	<i>drummondii</i>		
<i>Schoenus</i>	<i>natans</i>		
<i>Stachystemon</i>	<i>axillaris</i>		
<i>Stenanthemum</i>	<i>tridentatum</i>		
<i>Stylidium</i>	<i>hortiorum</i>		
<i>Stylidium</i>	<i>scabridum</i>		
<i>Stylidium</i>	<i>diuroides</i>	subsp.	<i>paucifolium</i>