

MERREDIN DISTRICT THREATENED FLORA MANAGEMENT PROGRAM

**Annual Report
2003**

Kate Brunt
For the Merredin District Threatened Flora Recovery
Team

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 Conservation and Land Management

The Commonwealth disclaims responsibility for the views expressed

**Department of Conservation and Land Management
PO Box 332 Merredin WA 4651**

Summary 2003

- Two successful Recovery Team Meetings were held in 2003. These meetings covered a number of relevant topics and provided the Recovery Team with an update of the Program and an opportunity to provide feedback.
- CALM Merredin was successful in sourcing funds for the implementation of a number of Recovery Actions through WATSCU and the Bankwest Visa Card grant. MDTFRT also successfully completed a NHT Project, achieving most of the outcomes by the deadline.
- New populations of *Acacia ataxiphylla* subsp *magna*, *Hakea aculeata*, *Caladenia drakeoides*, *Roycea pycnophylloides*, *Frankenia parvula*, *Frankenia conferta* were located.
- Most Critically Endangered populations were monitored in 2003.
- A number of fencing projects were completed on private property to protect populations from grazing, including *Cyphanthera odgersii* subsp *occidentalis*, *Emerphila viscida* and *Acacia ataxiphylla* subsp *magna*.
- Seed collection from both DRF and Priority species occurred with the assistance of the Threatened Seed Centre.
- Successful negotiation took place between the Shire of Dalwallinu and CALM to ensure the long-term protection of *Grevillea pythara* whilst ensuring road safety.
- A large amount of liaison took place with Shires, Main Roads, West Net, The Water Corporation, environmental consultants and mining companies.
- IRPS have been completed for *Eremophila viscida*, *Acacia ataxiphylla* subsp *magna*, *Acacia subflexosa* subsp *capillata*, *Acacia volubilis*, *Acacia vassalli*, *Philothea basistyla*, *Centrolepis caseiptosa*, and *Caladenia drakeoides*. Whilst the following IRP's are underway *Acacia lobulate*, *Grevillea dryandroides* subsp *capillata*, *Verticordia huganii*, *Eremophila virens*.
- A number of translocation proposals were developed and planned during 2003.
- Three editions of the Merredin District Threatened Flora Recovery Teams Newsletter "Diversity News" has been produced and distributed.

Table of Contents

1.	Recovery Team.....	4
1.1	Recovery Team Meetings.....	5
1.2	Conservation Officer.....	5
2.	Staffing.....	5
3.	Funding.....	5
3.1	NHT.....	5
3.2	Bankwest visa card funding.....	5
3.3	Salinity WATSCU funding.....	6
3.4	WATSCU IRP Writing funding.....	6
3.5	NHT Statewide funding.....	6
4.	Implementation of Recovery Actions.....	6
4.1	Critically Endangered.....	6
4.1.1	<i>Acacia ataxiphylla</i> subsp <i>magna</i>	6
4.1.2	<i>Acacia lobulate</i>	6
4.1.3	<i>Acacia sciophanes</i>	7
4.1.4	<i>Acacia subflexuosa</i> subsp <i>capillata</i>	7
4.1.5	<i>Acacia volubilis</i>	7
4.1.6	<i>Caladenia drakeoides</i>	7
4.1.7	<i>Cyphanthera odgersii</i> subsp <i>occidentalis</i>	7
4.1.8	<i>Daviesia Cunderdin</i>	7
4.1.9	<i>Daviesia euphorbiodes</i>	8
4.1.10	<i>Eremophila viscida</i>	8
4.1.11	<i>Frankenia parvula</i>	8
4.1.12	<i>Frankenia conferta</i>	8
4.1.13	<i>Grevillea dryandroides</i> subsp <i>dryandroides</i>	8
4.1.14	<i>Grevillea pythara</i>	8
4.1.15	<i>Gyrostermon reticulatus</i>	9
4.1.16	<i>Hemiandra rutilans</i>	9
4.1.17	<i>Isopogan robusta</i>	9
4.1.18	<i>Philotheca basistyla</i>	9
4.1.19	<i>Tetratheca deltoidea</i>	9
4.2	Endangered.....	9
4.2.1	<i>Eremophila resinosa</i>	9
4.2.2	<i>Eremophila virens</i>	9
4.2.3	<i>Eucalyptus brevipes</i>	10
4.2.4	<i>Grevillea dryandroides</i> subsp <i>hirsuta</i>	10
4.2.5	<i>Hakea aculeata</i>	10
4.2.6	<i>Verticorda higanii</i>	10
4.3	Other Endangered species.....	10
4.4	Vulnerable.....	10
4.4.1	<i>Acacia denticulosa</i>	10
4.4.2	<i>Eucalyptus syanadra</i>	11
4.4.3	<i>Gastrolobium graniticam</i>	11
4.4.4	<i>Pityrodia scarab</i>	11
4.4.5	<i>Roycea pycnophylloides</i>	11

4.5	Other Vulnerable species.....	11
4.6	Priority species.....	11
4.6.1	Priority One species.....	11
4.6.1.1	<i>Grevillea minutiflora</i>	11
4.6.1.2	<i>Grevillea squiesae</i>	12
4.6.2	Priority Two species.....	12
4.6.2.1	<i>Acacia lirellata</i> subsp <i>compressa</i>	12
4.6.2.2	<i>Aluta aspera</i> subsp <i>Localis</i>	12
4.6.3	Priority Three species.....	12
4.6.3.1	<i>Acacia ancistrophlla</i> subsp <i>peraruata</i>	12
4.6.3.2	<i>Calothamus brevifolius</i>	12
4.6.3.3	<i>Grevillea roycei</i>	12
4.6.3.4	<i>Verticorda mitodies</i>	13
4.6.4	Priority Four species.....	13
4.6.4.1	<i>Acacia merrickiae</i>	13
4.6.4.2	<i>Eucalyptus caesia</i> subsp <i>caesia</i>	13
4.6.4.3	<i>Eucalyptus caesia</i> subsp <i>magna</i>	13
4.6.4.4	<i>Eucalyptus crusis</i> subsp <i>crusis</i>	13
5.	Interim Recovery Plans.....	13
5.1	Completed IRP's.....	13
5.2	IRPs in progress.....	14
6.	Rare Flora Gardens.....	14
7.	Translocations.....	14
7.1	<i>Grevillea dryandroides</i> subsp <i>dryandroides</i>	14
7.2	<i>Grevillea pythara</i>	14
7.3	<i>Acacia volubilis</i>	14
7.4	<i>Daviesia cunderdin</i>	14
7.5	<i>Acacia subflexuosa</i> subsp <i>capillata</i>	15
7.6	<i>Lysiosepalum abollatum</i>	15
8.	Education and publicity.....	15
9.	Maintaining the District's threatened flora database.....	15
10.	Conclusion.....	15

1. Recovery Team

The Merredin District Threatened Flora Recovery Teams role is the implementation of the Merredin District Threatened Flora Management Program (MDTFMP), which includes a number of Interim Recovery Plans (IRP's). This is achieved through both the Recovery Team and the Department of Conservation and Land Managements (CALM) Conservation Officer. The Recovery Team links various members of the community and the Department in order to achieve recovery actions for the Districts Declared Rare Flora (DRF) and the Priority Flora.

The following are members of the Merredin District Threatened Flora Recovery Team.

Name	Organisation
Paul Blechynden (chair)	District Manager, CALM Merredin
Kate Brunt	Conservation Officer CALM Merredin
Ken Atkins	Principal Botanist, CALM
Glenice Batchelor	CLC Kellerberrin Shire
Andrew Brown	Threatened Flora Coordinator, CALM
Mary Squire	Community Rep.
Robert Boase	Community Rep.
Elaine Hudson	Community Rep.
Hazel King	Community Rep.
Mal Harper	Agriculture WA
Larry Trinder	Main Roads WA
Peter Bothwell	WestNetrail
Heather Adamson	LFW/Community Rep.
Brett Beecham	CALM
Andrew Crawford	Threatened Flora Seed Centre
District Manager Narrogin	CALM
Keith Hockey	CALM
Peter Dans	CALM
Conservation Officer - Moora	CALM
Amanda Godfrey	CLC Cunderdin
Paul Leonie	Community Rep.

The Community Landcare Coordinator (CLC) who represents many of the Shires is also invited to attend the Recovery Team Meetings.

The participation of Recovery Team Members is essential in achieving the goals of the MDTFMP. They provide invaluable advice, local knowledge and expertise to ensure that the recovery actions are implemented in the most effective and efficient manner.

1.1 Recovery Team Meetings

The Merredin District Threatened Flora Recovery Team held two Recovery Team meetings in 2003.

The first meeting was held in April at Cunderdin, the meeting was used to introduce the new Merredin District Flora Conservation Officer and discuss the work plan for 2003. The team members also visited a future translocation site and Critically Endangered populations.

The second meeting was held in Dalwallinu in September, the meeting focused on the discussion of recovery actions that had occurred and identifying recovery actions for the future. The Works Supervisor of the Dalwallinu Shire gave a presentation on how the shire approached DRF on road verges and other shire managed land.

1.2 Conservation Officer

The Conservation Officers role as part of the Recovery Team is to implement the majority of the recovery actions outlined in the IRP's, access funding for the implementation of the recovery actions, organise the Recovery Team meetings and produce the quarterly MDTFRT newsletter "Diversity".

2. Staffing

A permanent full time Conservation Officer commenced at Merredin in January 2003 based from the Merredin District CALM Office. The Department committed to provide the Merredin District with a permanent Conservation Officer late in 2002. A District Manager was also appointed in January 2003, the District Manager chairs the Recovery Team Meetings.

3. Funding

3.1 NHT

The Merredin District Threatened Flora Recovery Team received funding through the Natural Heritage Trust to implement recovery actions and write IRP's. The funding concluded in September 2003. This funding allowed for a number of projects to be implemented. See section 4.

3.2 Bankwest visa card funding

Four applications were submitted for funding. Two applications were successful, these including funding for the development and printing of posters for 6 Critically Endangered species and 1 Endangered species. The posters are A4 size and provide general information about the taxa and images in the hope that more

populations will be located. Funding was also received for the propagation of *Acacia subflexuosa* subsp *capillata* for translocation in the future.

3.3 Salinity WATSCU Funding

Western Australian Threatened Species and Communities Unit (WATSCU) was successful in receiving funding for DRF species affected by salinity. As a result of this funding WATSCU engaged a consultant to survey known populations of DRF and search for new populations. The funding was also used to contribute to the cost of fencing DRF on salt affected land.

3.4 WATSCU IRP Writing funding

WATSCU was successful in receiving funding for the writing of a number of IRP' across the state. Four Interim Recovery Plans will be written for the Merredin District as a result of this funding.

3.5 NHT Statewide funding

WATSCU was successful in receiving funding for the implementation of recovery actions with taxa that cross boundaries. Several Merredin District species were included in this project.

4. Implementation of Recovery Action

The following information provides a brief outline of the recovery actions implemented for each species.

Several species that are located in the Merredin District have been omitted from this list as recovery actions have been implemented through the Wongan Ballidu Threatened Flora Management Program and the Wongan Ballidu Threatened Flora Recovery Team.

4.1 Critically Endangered

4.1.1 *Acacia ataxiphylla* subsp *magna*

- Searching for new populations on private property was undertaken, this resulted in the location of a new population on private property.
- Surveying of all populations was undertaken.
- Fencing of a population on private property was completed, with the assistance of the landholder.
- DRF markers installed.
- Liaison with the shire Works Supervisor was undertaken to ensure that the roadside populations were known and the populations protected.
- Interim Recovery Plan developed.

4.1.2 *Acacia lobulata*

- Three populations monitored. Some population were not monitored as the landholders could not be contacted.
- Interim Recovery Plan developed.

4.1.3 *Acacia sciophanes*

- Monitoring was undertaken of the roadside, nature reserves and railway line populations.
- Liaison occurred with the landowner of one of the private property population; as a result of this meeting relations with the landholder and with CALM have improved.
- Liaison with CALM's Operations Officer to ensure no damage occurred to a population during reserve management operations.

4.1.4 *Acacia subflexuosa* subsp *capillata*

- Interim Recovery Plan developed.
- Seed collected and stored in the Threatened Seed Centre.
- Cuttings collected for propagation by Botanic Gardens and Parks Authority for a future translocation.
- Liaison with the Shire Works Supervisor was undertaken to ensure that the roadside populations were known and the populations protected.

4.1.5 *Acacia volubilis*

- Interim Recovery Plan developed.
- The majority of populations monitored.
- A translocation was planned for 2003, however it was found that the plant stock were not developed enough to plant and that postponing the translocation until 2004 would ensure a greater success rate.

4.1.6 *Caladenia drakeoides*

- All populations monitored.
- Two new populations have been located as a result of a joint project with WATSCU and Botanic Gardens and Parks Authority (BGPA) researchers.
- BGPA researcher hand pollinated several plants and collected some seed.

4.1.7 *Cyphanthera odgersii* subsp *occidentalis*

- All populations monitored.
- Stock proof and rabbit proof fencing was constructed around a population located on private property.
- Liaison was undertaken with the private landholder to outline in importance of the population.

- Liaison was undertaken with the Shire Works Supervisor to ensure no accidental damage of the population during maintenance.

4.1.8 *Daviesia cunderdin*

- Seed was collected and provided to the Threatened Seed Centre.
- All populations were monitored.
- The population had shade cloth surrounding the plants along the roadside, this was initially repaired however it was decided that the shade cloth was not providing any substantial protection and was removed.

4.1.9 *Daviesia euphorbioides*

- Seed was collected as a result of the statewide project managed by WATSCU.
- Translocation proposal developed by WATSCU.
- Induced recruitment project developed by WATSCU.
- All populations monitored.

4.1.10 *Eremophila viscida*

- Most populations monitored.
- Disturbance trial proposal written and approved.
- The trial was implemented in May 2003 and resulted in 23 seedlings, a watering system was installed to ensure the seedlings survived the summer. Kangaroos were attracted to the site as a result of the water and grazed all the seedlings. Monitoring of the site will continue.
- Fencing of a population on private property was undertaken.
- Liaison was undertaken with a number of landholders and other land managers.

4.1.11 *Frankenia parvula*

- A consultant undertook searching and monitoring, this resulted in the location two new populations. (This is yet to be confirmed)
- A population along the Mortlock River was fence to provide protection from stock.

4.1.12 *Frankenia conferta*

- A consultant undertook searching and monitoring, this resulted in the location five new populations. (This is yet to be confirmed)

4.1.13 *Grevillea dryandroides* subsp *dryandroides*

- Assisted the Wongan Ballidu Conservation and the Translocation Project Officer in the Translocation of *G.dryandroides* subsp *dryandroides*.
- All populations were monitored.

4.1.14 *Grevillea pythara*

- Extensive liaison with the Shire of Dalwallinu.
- *Grevillea pythara* was fenced to protect it from stock movement and road works. This fence posed a safety threat to drives. As a result the re-alignment of the road was negotiated with the shire.
- All the populations were monitored.
- Weed control was undertaken.

4.1.15 *Gyrostemon reticulatus*

- No recovery actions implemented.

4.1.16 *Hemiandra rutilans*

- No known populations at present.

4.1.17 *Isoposgon robusta*

- No recovery actions implemented.

4.1.18 *Philothea basistyla*

- Interim Recovery Plan developed.
- Monitoring of all populations.
- Liaison with the Shire Works Supervisor was undertaken to ensure that the roadside populations were known and the populations protected.

4.1.19 *Tetratheca deltoidea*

- Wallaby proof fencing was erected around both subpopulations. The fence was required because the continued dry conditions resulted in the wallabies trampling and grazing on the surrounding vegetation.
- Monitoring of all populations completed.

4.2 **Endangered**

4.2.1 *Eremophila resinosa*

- All populations monitored.
- Declared Rare Flora markers installed at various locations.
- Inspection of proposed Shire works in close proximity to several populations.
- Assisted Westonia Mines in their “application to take”, assisted Botanic Gardens and Parks Authority in the development of a translocation proposal and site selection.

- The Botanic Gardens and Parks Authority obtained genetic material from the 5 plants that were “taken” by Westonia Mines, to cultivate individuals for translocation.

4.2.2 *Eremophila virens*

- IRP currently being developed.
- Many of the sites have been monitored.
- DRF markers installed at two sites.
- Liaison with the Shire Works Coordinator to ensure no damage occurs to roadside populations during maintenance.

4.2.3 *Eucalyptus brevipes*

- Monitored one population.
- Assisted the Wildlife Officer with an “application to take”.
- The Threatened Seed Bank Coordinator collected seed from several populations.

4.2.4 *Grevillea dryandroides* subsp *hirsuta*

- Interim Recovery Plan currently being developed.
- All sites monitored.
- Re-alignment of DRF markers.
- Liaison with various stakeholders including private landholders and the Operations Officer, as this species occurs on two of Merredin District’s most significant nature reserves.

4.2.5 *Hakea aculeata*

- Searching for new populations on private property was undertaken, this resulted in the location of a new population.

4.2.6 *Verticordia huganii*

- All populations monitored.
- Signs installed at the Hindmarsh Nature Reserve to increase public awareness.
- Seeds collected from the Hindmarsh Nature Reserve population.
- Liaison with the Operations Officer the close a track transects a population.

4.3 Other Endangered species

The following species had no Recovery Actions implemented in 2003, however in most cases the species were briefly inspected.

- *Eucalyptus crucis* subsp *crucis*
- *Grevillea christineae*
- *Melaleuca sicutostyla*
- *Ptilotus fasciculatus*

4.4 Vulnerable

4.4.2 *Acacia denticulosa*

- A number of populations were monitored opportunistically.
- A new population was located on private property.

4.4.3 *Eucalyptus synandra*

- Assisted in the development of an “application to take” with the Shire, several branches were removed as a result of the works.
- Seed was collected from the branches and the branches were placed in an adjacent disused gravel pit in the hope that the remaining seed on the branches would disperse and germinate.

4.4.4 *Gastrolobium graniticam*

- Liaison with the Natural Heritage Trust concerning the populations at Karalee Rock.

4.4.5 *Pityrodia scabra*

- A numbers of populations monitored.
- Rabbit Proof netting removed from a number of plants at Cowcowing. The netting was inhibiting the growth of the plants.
- Liaised with private landholder.

4.4.6 *Roycea pycnophylloides*

- One population fenced to prevent stock from damaging the population.
- Searching was undertaken, as a result a number of new populations have been identified.

4.5 Other Vulnerable Species

The following species had no Recovery Actions implemented in 2003.

- *Allocasuarina fibrosa*
- *Boronia adamsiana*
- *Eremophila ternifolia*
- *Eremophila vernicosa* ms
- *Microcorys eremophiloides*
- *Myriophyllum lepidicola*
- *Rhagodia acacularis*

4.6 Priority Species

4.6.2 Priority One

In 2003 40 species within the Merredin District were ranked as Priority One. The following priority one species had recovery actions implemented.

4.6.1.1. *Grevillea minutiflora*

- Several populations monitored.
- Liaison with the Shire Works Supervisor was undertaken to ensure that the roadside populations are known and the populations protected from road maintenance.
- Liaison and a site inspection with the Water Corporation to ensure works that they wished to carryout near a population would not damage any individuals.

4.6.1.2 *Grevillea squiesae*

- All known populations monitored.

4.6.2 Priority Two

In 2003 43 species within the Merredin District were ranked as Priority Two. The following priority two species had some recovery actions implemented.

4.6.2.1 *Acacia lirellata* subsp *compress*

- Undertook monitoring of one population.

4.6.2.2 *Aluta aspera* subsp *localis*

- Inspection of private property population.
- Seed collected from the private property locations and stored in the Threatened Seed Centre.

4.6.3 Priority Three

In 2003 71 species within the Merredin District were ranked as Priority Three. The following priority three species had some recovery actions implemented.

4.6.3.1 *Acacia ancistrophlla* subsp *peraruata*

- Undertook survey of several populations for Western Power. Western Power installed a new power-line near several populations. No populations were damaged as a result of the power-line construction.

4.6.3.2 *Calothamnus brevifolius*

- Opportunistic survey of a population on Hindmarsh Nature Reserve.

4.6.3.3 *Grevillea roycei*

- Opportunistic inspections as a result of other fieldwork.

4.6.3.4 *Verticordia mitodies*

- Undertook survey of several populations for Western Power. Western Power installed a new power-line near several populations. No populations were damaged as a result of the power-line construction.

4.6.4 Priority Four

In 2003 26 species within the Merredin District were ranked as Priority Four. The following priority four species had some recovery actions implemented.

4.6.4.1 *Acacia merrickiae*

- Opportunistic inspections as a result of other fieldwork.
- Liaison with CALM's Operations Officer who is responsible for the management of the reserves where several populations are located.
- Inspected a roadside where a population occurs for the Kellerberrin Shire who were proposing road works.

4.6.4.2 *Eucalyptus caesia* subsp *caesia*

- Opportunistic inspections as a result of other fieldwork.

4.6.4.3 *Eucalyptus caesia* subsp *magna*

- Opportunistic inspections as a result of other fieldwork.

4.6.4.4 *Eucalyptus crusis* subsp *crusis*

- Opportunistic inspections as a result of other fieldwork.

5. Interim Recovery Plans

A number of Interim Recovery Plans were written in 2003, the writing of these plans has been funded through various sources and have provided invaluable direction to the Merredin District Threatened Flora Management Program.

The following IRP's have been completed or development has commenced in 2003.

5.1 Completed IRP

The following IRP's have being written and have been approved or is awaiting approval.

- *Eremophila viscida*
- *Acacia ataxiphylla* subsp *magna*
- *Acacia subflexouosa* subsp *capillata*
- *Acacia volubilis*
- *Acacia vassalli*
- *Philothea basistyla*
- *Centrolepis caseiptosa*
- *Caladenia drakeoides*

5.2 IRP in Progress

The following IRP's are currently being developed;

- *Acacia lobulata*
- *Grevillea dryandroides* subsp *capillata*
- *Verticorda huganii*
- *Eremophila virens*

6. Rare Flora Gardens

A proposal for two new rare flora gardens has been developed. The Dowerin and Goomalling Community Landcare Coordinator approached CALM Merredin indicating a number of people had expressed interest in Rare Flora Gardens in both Goomalling and Dowerin. A plan for the development of these gardens has been produced and community consultation meetings have been held.

7. Translocations

7.1 *Grevillea dryandroides* subsp *dryandroides*

Eighty one seedlings were planted in July, the Wongan Ballidu Threatened Flora Recovery Team primarily managed this translocation. The Merredin District Threatened Flora Recovery Team provided some assistance.

7.2 *Grevillea pythara*

A translocation proposal was developed by WATSCU with the MDTFRT and the Merredin District Conservation Officer providing assistance. The proposal was sent to a number of referees, who expressed some concern, as it was unknown at the time if the only existing population consisted of only one clone. As a result of these comments a genetic study was carried out which concluded that the population did consist of only one clone. On this basis the translocation will take place.

The site has been selected and the land manager (The Water Corporation) agreed to the translocation. The translocation will take place in winter 2004.

7.3 *Acacia volubilis*

The translocation of *Acacia volubilis* was to be planted in winter 2003, however a number of the seedlings were not developed enough for planting. The planting will take place in winter 2004

7.4 *Daviesia cunderdin*

The translocation of *Daviesia cunderdin* was to be conducted in winter 2003, as this translocation was to occur with the *Acacia volubilis* it was postponed until 2004 when all the plant stock will be suitable for planting.

7.5 *Acacia subflexuosa* subsp *capillata*

Funding was obtained from the BankWest Visa Card grants to propagate seedlings for a translocation. Cuttings have been taken, sent to the Botanic Gardens and Parks Authority for propagation.

7.6 *Lysiosepalum abollatum*

Funding was obtained from the BankWest Visa Card grants to propagate seedlings for a translocation. Cuttings have been taken, sent to the Botanic Gardens and Parks Authority for propagation.

8. Education and publicity

The following activities have taken place in order to increase community awareness of threatened flora in the Merredin District

- Quarterly additions of the Merredin District Threatened Flora Teams newsletter “Diversity” have been produced and distributed widely.
- One-on-one meetings with several Shire Works Supervisors
- Presentations at a Revegetation Field Day, Elders Field Day and Roadside Conservation Information sessions.
- Accessed funding for the development of seven threatened flora posters.
- Rare Flora posters have been distributed.

- Distribution of posters, can holders and stickers explaining the purposes of DRF markers.
- Information was displayed at the Merredin Wildflower Society open days.

9. Maintain the Districts' threatened flora database.

The Merredin District EnFlora database is constantly updated with new monitoring information. Rare flora report forms continue to be entered, building up the knowledge of the district's threatened flora conservation status, and increasing the usefulness of the database.

10. Conclusion

The Merredin District Threatened Flora Management Program has been very successful in implementing recovery actions for the District's DRF and Priority species.

2003 saw the completion of a large number of Interim Recovery Plans, these plans will provide direction for the Threatened Flora Recovery Team in the up coming years.

A large number of recovery actions were implemented in 2003 including fencing, monitoring, surveying, seed collection and disturbance trials, with a number of future activities planned including translocations.

Strong links were also formed with numerous stakeholders in 2003 including Shires, landholders and other stakeholder. The Threatened Flora Management Program also received good publicity through the Diversity Newsletter and other mediums such as field days.