

GOLDFIELDS THREATENED FLORA RECOVERY TEAM 2005 ANNUAL REPORT

SUMMARY

The Goldfields Region has an Interim Recovery Plan (IRP) for *Myriophyllum lapidicola* and a full Recovery Plan (RP) is currently at final draft stage for *Tetratheca paynterae* subsp. *paynterae* ms.

The *Tetratheca paynterae* subsp. *paynterae* ms RP is being undertaken by Portman Iron Ore Ltd (with CALM, Western Botanical and the Goldfields Region Threatened Flora Recovery Team) as part of a Ministerial condition for the Koolyanobbing Expansion Project. Recovery actions in line with the draft RP (survey, population demographics, genetic studies, seed collection, trial translocation and propagation trials) have been on-going in 2005.

Recovery actions (survey) has been undertaken for *Myriophyllum lapidicola* in 2005 although no new populations were identified and the known populations were searched for unsuccessfully.

2005 REPORT

The Goldfields Region has no listed TECs but has the following threatened flora species:

	Species	EPBC Listing	IRP or RP
1	<i>Conospermum toddii</i>	Endangered	-
2	<i>Eucalyptus articulata</i>	Vulnerable	-
3	<i>Gastrolobium graniticum</i>	Endangered	-
4	<i>Myriophyllum lapidicola</i>	Endangered	IRP
5	<i>Tetratheca aphylla</i>	Vulnerable	-
6	<i>Tetratheca harperi</i>	Vulnerable	-
7	<i>Tetratheca paynterae</i> subsp. <i>paynterae</i> ms	Endangered	RP in prep.
8	<i>Thryptomene wittweri</i>	Vulnerable	-
9	<i>Ricinocarpos brevis</i>		Planned for 2006
10	<i>Leucopogon</i> sp Helena & Aurora Range		

* *Eremophila virens* and *Pityrodia scabra* have been removed from this list since the 2004 report as both species have been determined not to occur in the region.

Goldfields Threatened Flora Recovery Team

The GRTFRT was formed in 2004 and meets biannually with meetings in March and August in 2005. The next meeting is scheduled for March 2006. The group includes representation from Species and Communities Branch (SCB), CALM Science Division, the Botanic Gardens and Parks Authority (BGPA), local pastoralists, industry, consultants and special interest groups. A sub-group has formed to coordinate writing of the *T. paynterae* subsp. *paynterae* ms Recovery Plan.

The full list of members include:

Name	Representing
Brad Barton	CALM Goldfields Region (Chairperson)
Mark Cowan	CALM Goldfields Regional Ecologist
Vanessa Clarke	CALM Goldfields Region (Executive Officer)
Dr Colin Yates	CALM Science
Rebecca Dillon	Technical Assistant – CALM Science
Andrew Brown	CALM Species and Communities Branch
Dr David Coates	CALM Science
Sue Patrick	CALM Science
Piers Goodman	Portman Iron Ore Ltd
Dr Penny Butcher	BGPA Research
Dr Siegy Krauss	BGPA Research
Jim Williams	Kalgoorlie community
Brian Moyle	Wildflower Society
Steve Rusbridge	Mining/Industry
Geoff Cockerton	Special Interest/Consultant
Ray Paynter	Community
Vicki McQuie	Pastoralists- local community

A number of individuals have asked to attend the meetings (Dr Neil Burrows, Ken Atkins, Helena Mills (Dept. Heritage & Environment)) or to be sent the meeting minutes (Goldfields Naturalists Club, Kalgoorlie-Boulder Urban Landcare Group).

IMPLEMENTATION OF INTERIM RECOVERY PLANS JAN 2005 – DECEMBER 2006

Myriophyllum lapidicola

IRP written 2004

Goldfields Region has populations 2 and 3. Three attempts to survey these populations were undertaken in 2005 with heavy rain deterring two attempts. The last attempt was made on 15th October 2005. Although both gnamma holes were full of water, no sign of *Myriophyllum lapidicola* was observed. RFRFs have been completed for both populations.

Recovery actions	Regional Response
1. Coordinate recovery actions	Recovery actions coordinated through Goldfields Region TFRT
2. Map critical habitat	
3. Monitor populations	Weather permitting, an earlier search of the gnamma holes to be made in 2006. Regional staff has been checking gnamma holes for this species in other granite outcrops opportunistically during reserve inspections.
4. Conduct further surveys	Further survey will be conducted during August 2006.
5. Collection of seed and cutting material	If any plants are relocated during the August 2006 monitoring/survey, seed and cutting material will be collected for propagation.
6. Research	
7. Removal of dam walls	Does not apply to Goldfields populations.
8. Weed Control if required	Does not apply to Goldfields populations.
9. Feral animal control if required	
10. Promote awareness	WATSCU has produced colour A4 posters to promote awareness of the species, regional staff will distribute where appropriate.
11. Liaise with land Managers	Goldfields populations occur in UCL.
12. Begin Translocation Process	
13. Write a full Recovery Plan	

***Tetratheca paynterae* subsp. *paynterae* ms**

RP in final draft stage November 2005

The Goldfields Threatened Flora Recovery Team (GRTFRT) is coordinating the writing of a full recovery plan for *T. paynterae* subsp. *paynterae* ms with Portman Iron Ore Pty Ltd, CALM and Western Botanical (consultants for Portman). A sub-group of the GRTFRT has progress the draft recovery plan (RP), which is expected to be finalised this year, or early 2006.

A number of recovery actions to be included in the RP have been approved by CALM and have taken place in 2005 and/or are on-going and include:

- Protection from mining under Ministerial Conditions (pending resolution of recovery plan outcomes);
- Population demographic studies;
- Seed characteristics;
- Genetic studies on all *Tetratheca* species;
- Seed collection;
- Trial translocation; and
- Collection of propagation material (cuttings).

Scientists from CALM and BGPA are working together on a number of research components which will be included into the RP.