



## SUMMARY ANNUAL REPORT THREATENED SPECIES AND/OR COMMUNITIES RECOVERY TEAM

### PROGRAM INFORMATION

Recovery Team name		Warren Threatened Flora Recovery Team
Reporting Period (Calendar Year)		Calendar year 2008
Current membership		
Member		Representing
CHAIR	Brad Barton	DEC, Warren Region, Regional Leader NC
EXEC OFFICER	Cassidy Newland	DEC Warren Region, Conservation Officer
	Ian Wilson	DEC Donnelly District NC Coordinator
	Jo Smith	DEC Donnelly District Flora Officer
	Karlene Bain	DEC Frankland District NC Coordinator
	Janine Liddelow	DEC Frankland District Flora Officer
	Roger Hearn	DEC Warren Region Ecologist
	Ray Cranfield	DEC Science Division
	Terry McFarlane	DEC Herbarium
	Lachie McCaw	DEC Science
	Andrew Brown	DEC Species and Communities Branch
	Ted Middelton	DEC, volunteer, Walpole Nornalup National Parks Association
	Pat Dundas	Botanical Artist, volunteer
	Lee Fontanini	Warren Catchment Council
	Kathy Collins	Volunteer

	<b>Jenny Dewing</b>	Blackwood Environment Centre
	<b>Mavis Sowry</b>	Volunteer, Walpole Nornalup National Parks Association
	<b>Erica Shedley</b>	Volunteer
<b>Dates meetings were held in 2008</b>	20 May 2008	
<b>One to two paragraph summary of achievements suitable for <i>WATSNU</i></b>	See attached summary of actions.	
<b>other</b>	Change in membership – Margaret Pieroni (volunteer and botanical artist resigned), Nikki Rouse (resigned as DEC Frankland District Flora officer – replaced by Janine Liddelow), Neil Pemberton-Ovens (resigned as a representative of Warren Catchment Council).	

Attachments

Donnelly District Flora Report\_2008-09

**DRF**

Species		Number Populations in district	Populations Surveyed Spring 07- present	Comments
<i>Andersonia annelsii</i>	CR	1	1	Population monitored 2008. Health stable
<i>Caladenia christineae</i>	E	28	24	3 old Florabase records to be verified.
<i>Caladenia dorrienii</i>	E	9	4	1 new population – DEFL record
<i>Caladenia harringtoniae</i>	V	26	21	3 old Florabase records to be verified. 2 records confirmed District – numbers seen over the past 5 yrs range from 1 to 26
<i>Caladenia winfieldii</i>	CR	1 – 2sub.pops	3	Monitoring started 26/11/08 – 18/12/2009 - 22 plants was inundated with ca 2cm of water throughout monitoring
<i>Diuris drummondii</i>	V	28	26	6 populations verified with 1 recorded location being considered 1 or 1 plus 2 sub-popns.
<i>Grevillea acropogon</i>	CR	1	1	Population monitored 2008. 7 deaths, 2 new plants, 5 translocation of the species is proposed to be undertaken Perup NR.
<i>Kennedia glabrata</i>	V	3	3	1 small plant (2 leaves) at Muirillup, no plants at Moora more plants observed
<i>Meziella trifida</i>	V	45	34	6 new populations since 2008
<i>Reedia spathacea</i>	E	3	1	Estimated - a full survey is required to determine the records need to be verified – east side of Mt. Chudalup
<i>Rhacocarpus rehmannianus</i> var. <i>webbianus</i>	CR	1	1	Monitored Feb 2009
<i>Verticordia densifolia</i> var. <i>pendunculata</i>	E	2	-	

**PRIORITY 1**

Species	Number Populations in district	Populations Surveyed in spring 07-present	Comments
<i>Austrofestuca littoralis</i>	2	-	Visit Frankland population
<i>Bossiaea</i> sp ‘Frankland’	2	2	1 monitored. Record on Corbalup Rd surveyed by Flora Mgt Course participants with no plants found.
<i>Carex tereticaulis</i>	2	-	
<i>Caustis</i> sp ‘Boyanup’	1	1	Monitored 2008
<i>Cryptandra arbutiflora</i> var. <i>pygmaea</i>	5	1	Muir Hwy popn. monitored with flora ID training day
<i>Deyeuxia inaequalis</i>	3	-	
<i>Dillwynia</i> sp ‘Capel’	1	-	Florabase record. Requires verification
<i>Erygium</i> sp ‘Lake Muir’	5	-	All records need to be verified with a RFRF
<i>Hemigenia rigida</i>			Florabase records. These specimens may be <i>H. pritzelii</i>
<i>Rulingia apella</i>	3	-	All Florabase populations. These are very old records. Populations may have been lost due to road works and Blackberry infestation. Visit Frankland population.
<i>Scaevola ballajupensis</i>	1	-	
<i>Thomasia brachystachys</i>	4	-	All Florabase populations. Vouchers still require ID confirmation. May be <i>T. solanacea</i>
<i>Warnstorfia fluitans</i>	1	-	Florabase record

**PRIORITY 2**

Species	No. Populations in district	Populations Surveyed in spring 07-present	Comments
<i>Acacia oncinophylla</i> ssp <i>patulifolia</i>	4	2	Populations in Land for Wildlife and burnt in prescribed burn – all plants collapsed.
<i>Andersonia barbata</i>	1	-	Florabase record
<i>Apodasmia ceramophila</i>	10	3	2 new popns (1 DEFL; 1 found by d
<i>Caladenia erythrochila</i>	3	2	1 new population, requires surveying
<i>Caladenia lodgeana</i>	1	-	
<i>Caladenia luteola</i>	4	2	1 new population requires surveying
<i>Caladenia starteorum</i>	3	-	
<i>Calymerastrum latifolium</i>	1	-	
<i>Calytrix</i> sp ‘Tutanup’	1	-	Florabase record – voucher collected
<i>Cardamine paucijuga</i>	1	-	Florabase population
<i>Chamelaucium floriferum</i> ssp <i>diffusum</i>	1	-	Florabase record - voucher collected
<i>Chamelaucium forrestii</i> ssp <i>forrestii</i>	1	-	Florabase population
<i>Chordifex jacksonii</i>	4	3	Populations at Black Point Track sur Blackwood districts
<i>Degelia flabellata</i>	1	-	
<i>Diuris heberlei</i>	2	-	Florabase populations. Requires ver
<i>Drepanocladus aduncus</i>	1	-	Malimup Springs. Requires verificat
<i>Drosera binata</i>	0	-	Visited popn. in Frankland District c
<i>Euphrasia scabra</i>	6	3	3 Florabase
<i>Gratiola pedunculata</i>	2	-	New species on Donnelly District lis
<i>Kunzea micrantha</i> ssp. <i>hirtiflora</i>	10	1	Areas SEof Byenup Lagoon requires
<i>Leptinella drummondii</i>	7	7	4 new populations. Florabase popula
<i>Lilaeopsis polyantha</i>	3	-	All Florabase populations.
<i>Pimelea cracens</i> ssp <i>glabra</i>			This ssp. now synonymous with <i>Pim</i>
<i>Pertusaria trachyspora</i>	1	-	Mt. Chudalup
<i>Phyllangium palustre</i>	1	-	Mt. Chudalup
<i>Rorippa dictyosperma</i>	1	-	Population requires a full survey
<i>Schoenus fluitans</i>	2	-	Both Florabase populations. Require
<i>Trithuria australis</i>	7	-	All Florabase
<i>Wurmbea</i> sp. <i>Cranbrook</i>	12	-	4 new populations; downlisted to P3

## Frankland District

No of Popns Monitored 2008	Total Pops Frankland District		Actions/Comments
	Sub - populations	Populations	
1		4	Partial survey completed to monitor seedling survival suc planting. Less than 1% survival recorded with little natur
9		10	3 populations have had no plants recorded for over 6 year unburnt - possible association), 2 are stable and 4 had in since last survey
8		10	Only 1 surveyed population recorded plants. Pop 4 (sub combined total of approx 2000-2500 plants. No plants ha at other populations since 2004 or earlier
6	21	8	Surveyed as part of the Mt Lindesay burn response moni
9		10	5 populations 0 plants, 2 increased, 2 stable. Population by approx 800m (sub-populations)
9		26	Most surveys for ATTs. 2 increase, 1 decrease, 6 popula for at least 7 years. 2 new populations learnt of through t (external collection).
5	17	8	Surveyed as part of the Mt Lindesay burn response moni
9		15	2 stable popns, 1 increase, 6 not seen for at least 6 year relation with burning. The population which has increase and has over 3000 plants. The populations with unrecor number of years have either not been burnt or the habita burn rotation.
4	9	4	Surveyed as part of the Mt Lindesay burn response moni
1	17	14	Extensive surveying in 2007
12	20	18	All but 1 of the populations was in the 100s or even thou the 12 six had pig activity either within or near the popula threat rate which is of concern. Areas have been include control program.
1		2	none found
1		1	There is no sign of seedlings - all plants appear to have g rootstock after last fire. Vegetative material from the V.a from two other Verticordia's growing in association (V.ha endlicheriana var angustifolium) was collected and sent t McDonald for DNA analysis.
1		1	included search of potential areas of habitat
1		1	Suspect Pc infestation - no current significant effect on p taken.
2		11	
1		1	Has not been seen since 1991. Needs to be surveyed di
1		2	
2		3	No plants found. The only popn with good locality inform to be possibly extinct. This plant requires further surveyi potential relisting to DRF

2		5	No plants seen in area burnt in 2006 - pre-burn >200. W monitoring.
1		3	All three are in proposed 2009 burn. One will be exclude monitored for post burn recovery.
13	19	18	
9		29	Surveyed as part of the Mt Lindesay burn response moni
1		3	New population
3		10	
1		2	The two populations appear to be the same - no plants re
2		4	Pingerup population due to be burnt in 2009. linear trans burn monitoring
1		1	
2		3	No plants found. Specimen taken - unconfirmed as yet
2		3	Only 15 plants seen at Soho Hill popn. No other plants s been collected by Anne Cochrane
1		6	collected vegetative material for DNA analysis re V. aped
2		2	one new population
1		6	
1		43	
3		16	
1		5	Not currently listed - separated out from Astartea sp Mt J process of evaluation
1		22	this is a new population
1		26	this is a new population
1		1	New population.collected as part of Mt Lindesay burn res project
2		49	new populations
1		8	
1		38	
1		38	new population
1		20	new population
1		3	0 plants - thick undergrowth
2		3	within Mt Lindesay burn
3		8	
1		30	new population
1		9	new population

TEC	Actions	Outcomes
Mt Lindesay - Little Lindesay Vegetation Complex	Pre-burn monitoring project	Details below
Reedia Swamps - Warren Region	General Monitoring	Feral pig control surveys for icon
Coastal grasslands	Quarram Grassland Adaptive Management Project	2008 data collection spreadsheet
Augusta Microbial Community	Identifying and mapping communities	4 separate locations recorded and sites taken from three Beach and Shell at Curtin University

#### Mt Lindesay – Little Mt Lindesay TEC

- A draft monitoring protocol was prepared by the RCM TEC Project Team for the long term monitoring of impacts of dieback and fire on the plant communities associated with skeletal soil bordering the granite outcrops within the Mt Lindesay – Little Mt Lindesay TEC.
- As per the draft monitoring protocol, monitoring sites were established in spring within the Mt Lindesay – Little Mt Lindesay TEC with 40 sites being established primarily on the southern and eastern slopes of the Mt Lindesay – Little Lindesay landform.
- Specimens of the species sampled were identified and lodged with the Western Australian Herbarium.
- Preliminary analysis of the data will be undertaken this year.

#### Project Work in Frankland

Small Grain Mosaic	<i>Lambertia rariflora</i> subsp. <i>lutea</i>	Linear transect installed (150m x 20m) and all <i>Lambertia</i> area. Subsequent burn has resulted in complete defoliation achieved. Monitoring will be ongoing
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