

RECOVERY TEAM ANNUAL REPORT

THREATENED FLORA AND COMMUNITIES RECOVERY TEAM

PROGRAM INFORMATION

Recovery Team	Warren Region Threatened Flora Recovery Team
Reporting Period	Calendar year 2012

Current membership

	Member	Representing
1. Chair	Brad Barton	DEC, Warren Region, Regional Leader NC
2. Exec Officer	Janine Liddelow	DEC Frankland District Flora Officer
3.	Ian Wilson	DEC Donnelly District NC Coordinator
4	Jo Smith	DEC Donnelly District Flora Officer
5.	Karlene Bain	DEC Frankland District NC Coordinator
6	Cassidy Newland	Warren Region Conservation Officer
7	Roger Hearn	DEC Warren Region Ecologist
8	Ray Cranfield	DEC Science Division
9	Terry McFarlane	DEC Herbarium
10	Lachie McCaw	DEC Science

11	Andrew Brown	DEC Species and Communities Branch
12	Ted Middelton	DEC, volunteer, Walpole Nornalup National Parks Association
13	Lee Fontanini	Warren Catchments Council
14	Jim Parry	Volunteer
15	Mavis Sowry	Volunteer, Walpole Nornalup National Parks Association
16	Erica Shedley	Volunteer/ Contract employee DEC Science Division
17	Val English / Jill Pryde	DEC Species & Communities Branch
Dates meetings were held	23 March 2012 and 10 September 2012	
One to two paragraph summary of achievements suitable for <i>WATSNU</i>	See Summaries below	
List of actions undertaken by Recovery Team member/s		
<p>Frankland District</p> <p>3. Frankland District Threatened Flora Actions and Achievements</p> <p><u>Frankland Threatened and Priority Flora report 23/03/2012</u></p> <p>Banksia verticillata:</p> <ul style="list-style-type: none"> • <i>Revisited Woolbales with Sarah Barret to rescore her canker transect and download weather data. Casual observations on seedling presence.</i> • <i>Surveyed new area at Nuyts –no plants found.</i> <p>Caladenia christineae:</p> <ul style="list-style-type: none"> • <i>Report from Jim Parry of 36 plants on Private property near Randell Road reserve. Will survey this year with the owners permission.</i> • <i>Jim Parry searched some sites where plants have not been seen for a long time along Muir Hwy. No plants seen.</i> • <i>Searched area post burn in Sheepwash FB. No plants found. Possibly too soon – programmed for this year.</i> • <i>Intensive survey in Pardelup FB inclusive of potential habitat relating to 2010 burn. No new populations seen. Plants in known populations here persist after fire and</i> 		

this area is currently the stronghold for *C.christineae* in Frankland. Last burn was 2006.

- Pop 4c: 595 plants scattered over 6ha.
- Pop 4b: 64 plants over 1ha. 69 in 2010 – population stable
- Pop 4a: 107 plants over 0.6ha. 68 plants in 2008. Population stable.

Caladenia harringtoniae:

- Pop 9: recorded 4 plants. Has not been seen here for a while. Possible reflection of good orchid year.
- Pop 10: not seen since original record. GPS co-ordinates are at what seems to be unsuitable habitat with no suitable habitat in the vicinity. New population; 1 plant on edge of Thomson rd.

Conostylis misera:

- Partial survey of Lake Kwoornicup. Nothing seen

Diuris drummondii:

- Search of some populations with no recent records by Jim Parry – nothing found
- Pop 2a+2b confirmed as *Diuris emarginata*. Removed from file.

Drakaea micrantha:

- 2 populations burnt under ATT conditions. 1 population excluded by hand ignition around location.

Highlights:

- Peizometers installed in 7 *Reedia spathacea* populations within the Reedia swamps (Warren Region) Priority 1 ecological community
- YSI multiparameter instrument purchased for hydrological monitoring in Reedia
- Post burn monitoring of *Cryptandra congesta* and *Grevillea fuscolutea*
- Burn monitoring plot installed in *Aotus franklandii* population
- Post fire recovery of some material of *Rhacocarpus rehmannianus* var *webbianus* at Roe.
- Survey for Mt Lindesay *Thelymitra variegata*

Donnelly District

Donnelly District Flora Report_23.03.2012

Species	Cons Code	# Populations in District	Comments
<i>Andersonia annelsii</i>	CR	1	Nil action. Plan to survey for habitat for possible translocation in the near future.

<i>Caladenia christineae</i>	E	25	13 populations monitored. The numbers of flowering plants have increased compared to last years' monitoring. Population 19 in Mersea FB - 155 flowering plants 2 years after a prescribed burn.
<i>Caladenia dorrienii</i>	E	9	Visited 4 populations with good numbers of flowering plants. Compared to 2010 monitoring this is a dramatic increase.
<i>Caladenia harringtoniae</i>	V	24	New population found in Chitelup SE of Lake Muir – 17 plants. Habitat for population 27C in Carter Block was prescribed burnt 22/11/2011. Some plants were still in flower at this time.
<i>Caladenia winfieldii</i>	CR	1 – 2 sub.pops	12 Flowering plants. 10 in Pop 1A; 1 in sub-population 1B north; 1 plant found between Sub-population 1B south and 1B north. An exclusion track has been constructed around sub-population 1B south in preparation for a prescribed burn.
<i>Diuris drummondii</i>	V	26	7 populations monitored.
<i>Grevillea acropogon</i>	CR	2	Total of 197 plants have been given an identifier. Numerous seedlings have been marked with a pin dropper and any survivors will be tagged this spring. No seeds were collected last season due to time constraints. Translocated population has had 85% survival rate so far. Automated watering has been turned off. Monitor and check rainfall for watering requirements to be done manually.
<i>Kennedia glabrata</i>	V	3	2 populations have been burnt in the Babbington Fire – Moores Track granite and Mt. Chudalup. Moore Track population has been field checked. Swales where the species occurs have been burnt. Mt. Chudalup has been surveyed by air and appears that all swales have been burnt.
<i>Myriophyllum trifidum</i>	V	48	One new population found on private property at Northcliffe during a Rare flora survey for a Native Vegetation clearing application. 50% of populations are located within the fire area of the Babbington Fire
<i>Reedia spathacea</i>	E	3 – 7 sub. Pops.	One population and one sub-population have been burnt in the Babbington fire. Monitoring of all occurrences will be undertaken this Autumn.
<i>Rhacocarpus rehmannianus</i> var. <i>webbianus</i>	CR	1	Impacted by the Babbington Fire. Initial survey of part of population has found some matts have been severely burnt and unlikely to recover and others appear to be moderately scorched.
<i>Verticordia densifolia</i> var. <i>pendunculata</i>	E	1	In season survey found no plants within 200m radius of the co-ordinates obtained from a florabase record. Plan to look further NE towards the <i>Andersonia annelsii</i> population next summer.

2. Donnelly District Threatened Flora Actions and Achievements

Species	Comments
<i>Andersonia annelsii</i>	Plan to monitor, collect seed and survey for potential translocation sights this spring. NRM EoI for re-routing Swamp Road and constructing an exclusion track around the population.
<i>Caladenia winfieldii</i>	NRM EoI for an experimental prescribed burn of the smallest sub-population. Exclusion track has been constructed around the larger of the sub-populations within the prescribed burn.
<i>Grevillea acropogon</i>	Monitoring of natural population and translocation popn. to start this month. One watering was undertaken through last summer due to occasional showers keeping the plants happy. Plants are healthy and many in-flower.
<i>Kennedia glabrata</i>	Mt. Chudalup – mass germination observed. Moores Track popn. –

	seedlings observed could be <i>K. glabrata</i> . Will confirm this spring once secondary leaves have developed. If it is <i>K. glabrata</i> then there has been mass germination on both sides of the road. A vehicle has made large tracks over the moss mats which include areas where the <i>K. Glabrata</i> has regenerated. This requires monitoring and will be addressed if required.
<i>Myriophyllum trifidum</i>	Populations within the Babbington Fire have been re-visited. All populations are under water.
<i>Reedia spathacea</i>	Visited Mt. Chudalup population burnt in fire. Walked 50% of population and sub- population further east. 3 – 4 large areas of <i>Reedia</i> burnt, unburnt areas and scorched. Have set up photo points at 5 of these sites. Monitoring of Chesapeake Brook population in June. 17 shoots dead, 2 plants, 32 seedlings. >500 seedlings. Some appear to be germinants from Autumn 2011 (immediately 1 st rain after burn and smaller seedlings Autumn 2012. NRM Eol funding to construct an exclusion fence. No pig activity observed in June. Population will be visited within the next 2 weeks to tag and a measure a number of seedlings.
<i>Rhacocarpus rehmannianus</i> var. <i>webbianus</i>	Checked moss mats near board-walk appear slightly scorched. To be monitored this spring.
<i>Bossiaea</i> sp “Frankland”	Plan to survey for new populations this spring. May be part of Flora course
<i>Caladenia longicaudia</i> ssp <i>Manjimup</i>	In proposed prescribed burn
<i>Caladenia</i> sp. ‘Muir Hwy’	Quick visit 6/09/2012 counted 4 flowering plants.
<i>Scaevola ballajupensis</i>	Plan to survey for new populations this spring. This population is very small and in need of urgent survey work.
<i>Bossiaea</i> sp “Frankland”	Plan to survey for new populations this spring. May be part of Flora course
<i>Caladenia longicaudia</i> ssp <i>Manjimup</i>	In proposed prescribed burn
<i>Caladenia</i> sp. ‘Muir Hwy’	Quick visit 6/09/2012 counted 4 flowering plants.
<i>Scaevola ballajupensis</i>	Plan to survey for new populations this spring. This population is very small and in need of urgent survey work.
<i>Andersonia barbata</i>	A new record west of Chudalup. Found for a flora survey for proposed road acces to PP at Doggerup.
<i>Caladenia erythrochila</i>	“Adopt an Orchid” volunteers to survey. Plan to survey Chariup block east side of Wingebellup Road this spring that was prescribed burnt 2 autumns ago.
<i>Calytrix</i> sp ‘Tutanup’	Population burnt in Babbington fire. 3 sites to be surveyed in-season within the Babbington fire to confirm ID
<i>Diuris heberlei</i>	“Adopt an Orchid” volunteers to monitor this summer flowering season.this population was burnt in Fire 28, Babbington.
<i>Drepanocladus aduncus</i>	Nil action
<i>Drosera binata</i>	Survey population on Chesapeake Brook Chesapeake Road.
<i>Kunzea micrantha</i> ssp.	Adaptive Management Plan to be written up.

hirtiflora

- P3 “Epiphytic Cryptogams of the Karri forests of SW WA” ecological community in the Dombakup and Warren – 4 of the 20 sites have been scored.

Complete updates of outstanding Interim Recovery Plans

- *Cryptandra congesta* and *Grevillea fuscolutea* IRPs where approved and available on the website;
- *Laxmannia grandiflora* subsp. *brendae* IRPs was completed;
- *Andersonia annelsii* and *Verticordia apecta* were completed;
- *Grevillea acropogon* and *Rhacocarpus rehmannianus* var. *webbianus* completed.

Warren Region Flora Notes Andrew Brown and Melanie Smith

Ranking

Critically Endangered	4 taxa
Endangered	8 taxa
Vulnerable	9 taxa

IRPs in place (4)

Caladenia winfieldii

Cryptandra congesta

Grevillea fuscolutea

Sphenotoma drummondii

State NRM Projects put up by Warren Region are:

1. Establishment of an exclusion track to protect Critical habitat of *Andersonia annelsii*.
2. Mt Lindesay Threatened Flora Post Fire Monitoring.
3. *Reedia spathacea* Bore Installation.
4. Water Monitoring and Fencing of a threatened population of *Reedia spathacea* within the Donnelly District.