

RECOVERY TEAM ANNUAL REPORT

THREATENED SPECIES AND/OR COMMUNITIES RECOVERY TEAM

PROGRAM INFORMATION

Recovery Team	Warren Region Threatened Flora Recovery Team	
Reporting Period	Calendar year 2013	
Current membership		
	Member	Representing
1. Chair	Brad Barton	Parks and Wildlife, Warren Region, Regional Leader NC
2. Exec Officer	Janine Liddelow	Parks and Wildlife, Frankland District Flora Officer
3.	Ian Wilson	Parks and Wildlife, Donnelly District NC Coordinator
4	Jo Smith	Parks and Wildlife, Donnelly District Flora Officer
5.	Alison McGilvray	Parks and Wildlife, Frankland District NC Coordinator
6	Cassidy Newland	Parks and Wildlife, Warren Region Conservation Officer
7	Roger Hearn	Parks and Wildlife, Warren Region Ecologist
8	Ray Cranfield	Parks and Wildlife, Science Division
9	Terry McFarlane	Parks and Wildlife, Herbarium
10	Lachie McCaw	Parks and Wildlife, Science and Conservation Division

11	Andrew Brown	Parks and Wildlife, Species and Communities Branch
12	Ted Middelton	Parks and Wildlife and 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 Parks and Wildlife
17	Val English / Jill Pryde	Parks and Wildlife, Species & Communities Branch
Dates meetings were held		20 March 2013
One to two paragraph summary of achievements suitable for <i>WATSNU</i>		See Summaries below
List of actions undertaken by Recovery Team member/s		

Frankland District Rare Flora report

20/03/2013

Species Reports

Verticordia apecta:

- surveyed and counted ..26 plants
- 1 plant flowering...17 flowers on 2 stems
- Seed bags used to collect seed...12 flowers aborted, 5 dehisced with potential seed.
- Seed sent to Andrew Crawford...awaiting germination trials.
- pruning experiment where associate plants which are potentially suppressing *Verticordia apecta* were removed has not resulted in increased new growth

Banksia verticillata

- only population visited was Woolbales one
- survival counts..generally in decline. Grouped in certain areas which potentially have characteristics eg soil depth, orientation that favour survival
- Sarah Barret canker project. Woolbales one of the worst affected areas
- Nuyts population in proposed burn for Spring 2013. This burn did not occur.

Reedia spathacea

- ongoing monitoring of peizometers (two monthly)
- water analysis from ALS completed visit and presentation from Steve Appleyard regarding peat systems and restoration options of pig damaged peatlands
- rescored Mitchell and Pingerup fire response plots
- Pop 4a, 4b, 12 burnt December 2013 in prescribed burn.

Rhacocarpus rehmiannus var webbianus

- surveyed February
- Gnammass dry and some have been dug into by roos/emus
- only one occurrence of Rhacocarpus rehmiannus (dried)

Caladenia christineae

- (this was in 2012)
- Found new population of 160 plants in Tootanellup Nature Reserve

Tetratheca sp Kent River

- 7 plants post fire, burnt in 2010, 20+ in 2011 (trampling concern), 8 in 2012, 38 in 2013 (first year flowering). The increase in 2013 is due to ease of survey when plants are flowering.
- Appears to be slow growing and small seedbank. Potentially fire sensitive.

Hybanthus volubilis

- 300+ plants, 80% flowering 3 years post burn
- recovered from underground tuber.

Hemigenia microphylla

- Frankland has 3 populations ..all surveyed
- pop 1 ; 80+ in 2004, 0 in 2012,

- pop 2: ?, 7 in 2013, 626 in October 2013 (located new area where there is abundant post fire regeneration)
- pop3: (new) 23 in a small area

Synaphea sp Kwornicup

- visited all known populations (near Mt barker).
- 1 in reserve, 5 in shire road reserve
- no other known populations

Thelymitra jacksonii

- Adopt an orchid (Liz and Dave Edmonds)
- 2 separate locations
- main road pegs wrongly located – have had a site visit and the pegs have been relocated by Main Roads

New populations;

Sphagnum

Drosera binata

Banksia porrecta

Leucopogon alternifolius

All 2012

Donnelly District Flora Report_20.03.2013

Species	Cons Code	# Populations in District	Comments
<i>Andersonia annelsii</i>	CR	1	The Flora Course participants undertook monitoring. Population and habitat is stable. Two collections of seed sent to TSSC. 3 potential translocation sites assessed. Wiinejup block to survey. NRM funding for re-routing Swamp Road has been approved.
<i>Caladenia christineae</i>	E	25	Monitored Lake Muir and Dudijup populations to the east and NE of Manjimup. Three new populations found. Population north of Kingston Road found by volunteers yet to be visited in-season. Found a sub-population of Popn. 1 ~ 150m north of Muir Hwy W of Thomson Rd. and 1 plant found on Gobblecannup Rd with <i>C. harringtoniae</i> . Numbers of flowering plants down from 5 years ago although did have flowering plants at Dudijup population not seen for a number of years..
<i>Caladenia dorrienii</i>	E	9	Jim Parry monitored populations, but found that flowering had almost been completed.
<i>Caladenia harringtoniae</i>	V	24	Monitored Lake Muir, Carter, Sears Rd and Dudijup populations. New population on Gobblecannup Rd. Good season for flowering plants.

<i>Caladenia winfieldii</i>	CR	1 – 2sub.pops	ATT in the process of being written up for the research burn of the smallest sub-population. 30 flowering plants were found. 1 plant reached dehiscence.
<i>Diuris drummondii</i>	V	26	The Talling and Corbalup Road populations had no flowering plants since prescribed burns more than 3 to 10 years ago. Plants in low numbers at some of the populations monitored in the Lake Muir area.
<i>Grevillea acropogon</i>	CR	2	Monitoring of natural population and translocation popn. One watering was undertaken through last summer. 321 surviving plants (82% survival of first planting and 91% survival of second planting) and many of these are now reproductive (54% of survivors of first planting were reproductive and 36% of survivors of second planting). Natural population – 29 new plants tagged; most of these are juveniles that have survived 12mths. A couple were young adult plants missed on previous years monitoring.
<i>Kennedia glabrata</i>	V	3	Pig activity and illegal vehicle access at Moores Track population. Regeneration post-fire not masses of plants, but more than the 1 or 2 found on previous years monitoring..
<i>Myriophyllum trifidum</i>	V	48	<i>Myriophyllum trifidum</i> is being monitored at present in the Babbington fire. A quick visit yesterday found a significant reduction in plant numbers on Chesapeake Road. Sightings of pig activity along Chesapeake Road. It appears that the pigs are moving through the fire ground from the Gardner River into areas not seen before.
<i>Reedia spathacea</i>	E	3 – 7 sub. Pops.	Monitored Chesapeake Brook population. 80% seedling survival since last year. 20% of plants have flowering spikes from this season. Monitored for pig activity. Signs of pig activity through Reedia and boundary but no impacts on Reedia found. NRM funding approved to erect an exclusion fence around part of the population. Mt Chudalup population – Cassidy will present power-point.
<i>Rhacocarpus rehmannianus</i> var. <i>webbianus</i>	CR	1	Checked moss mats near board-walk appear slightly scorched. To be monitored this spring. Have not checked as yet.
<i>Brachyscias verecundus</i>	CR	1	Surveyed new population on Windy Harbour Road. On both sides. West site was in a prescribed burn 3 years ago and the other 2 sites on the east side were in the Babbington fire burnt with edging for suppression works. Found about 6 plants on the west side of a granite outcrop off an old track further SE. Plants appeared very healthy. Plan to collect seed and do further survey work this spring/summer.

Species	# Populations in District	Comments
PRIORITY 1		
<i>Bossiaea</i> sp “Frankland”	1	Plan to survey for new populations this spring.
<i>Caladenia longicaudia</i> ssp <i>Manjimup</i>	2	In proposed prescribed burn. Surveyed in-season but couldn’t find any flowering plants.
<i>Caladenia</i> sp. ‘Muir Hwy’	1	Nil action. Occurs within a proposed gas pipeline corridor.
<i>Caladenia uliginosa</i> ssp <i>patulens</i>	1	“Adopt an Orchid” Volunteers surveyed and were unable to locate record at Unicap.
<i>Commersonia apella</i>	3	Nil action
<i>Deyeuxia inaequalis</i>	4	Nil action
<i>Dillwynia</i> sp ‘Capel’	1	Nil action
<i>Scaevola ballajupensis</i>	1	Plan to survey for new populations this spring. This population is very small and in need

		of urgent survey work.
<i>Thomasia brachystachys</i>	4	Nil action

PRIORITY 2		
<i>Acacia oncinophylla ssp patulifolia</i>	4	Nil action
<i>Andersonia barbata</i>	2	Nil action
<i>Astartea</i> sp 'Lake Muir'	4	Plan to survey this spring.
<i>Caladenia erythrochila</i>	3	"Adopt an Orchid' volunteers monitored and surveyed. Still waiting for report.
<i>Caladenia</i> sp 'Kenninup'	2	Visited a new population for the District. No plants found.
<i>Calytrix</i> sp 'Tutanup'	1	3 sites to be surveyed in-season within the Babbington fire to confirm ID
<i>Cardamine paucijuga</i>	1	Nil action
<i>Chamelaucium</i> sp. 'Nornalup'	1	Plan to monitor this spring
<i>Degelia flabellata</i>	1	Nil action
<i>Diuris heberlei</i>	1	Mapped population. All flowering plants found in unburnt vegetation or on the edge of burnt vegetation where the scorch was milder.
<i>Drepanocladus aduncus</i>	1	Nil action
<i>Drosera binata</i>	1	Nil action
<i>Euphrasia scabra</i>	6	Monitored Lake Muir population for a proposed prescribed burn. Healthy but there is an infestation of <i>Bartsia</i> in part of the population.
<i>Gratiola pedunculata</i>	2	Nil action
<i>Kunzea micrantha ssp. hirtiflora</i>	14	Nil action
<i>Lilaeopsis polyantha</i>	3	Nil action
<i>Pertusaria trachyspora</i>	1	Nil action
<i>Phyllangium palustre</i>	1	Nil action
<i>Rorippa cygnorum</i>	1	Requires survey work
<i>Senecio oldfieldii</i>	1	Requires survey work
<i>Schoenus fluitans</i>	2	Requires survey work
<i>Thysanotus unicusensis</i>	3	Found 2 new populations; Unicup and Alco
<i>Trithuria australis</i>	7	Nil action
<i>Xanthoparmelia louisii</i>	1	Nil action

Additional monitoring & consideration

- *Hemigenia microphylla* P3 – 2 populations monitored that were prescribed burnt 2 years ago.
 - One population reduced in numbers – > 50% of germinants and 2 unburnt adults have died. Habitat very dry and regeneration of veg. Poor.
 - Other population covers a very small area – mass germination over what appears to be 3 germination events. Threat of displacement by agricultural weed species.
 - Surveyed to locate a Florabase record. Co-ordinates and location description differ. Possibly on ‘Land for Wildlife’ land. Will investigate.

Changes to the Threatened and Priority Flora List since 20 March 2013 (previous meeting) – Warren region only reported

Current Name	Change Code	Conservation Status	WA Rank	Criteria	Old Value	DPaW District
<i>Commersonia apella</i>	UPGRADED	T	CR	A4; B2ab(iv) ; C2a(ii); D		DONNELLY, FRANKLAND
<i>Inocybe redolens</i>	ADDITION	2				DONNELLY
<i>Dampiera triloba</i>	CAT_CHG	3			1	SWAN COASTAL, DONNELLY, ESPERANCE,CENTRAL WHEATBELT
<i>Gahnia sclerioides</i>	CAT_CHG	4			3	BLACKWOOD, FRANKLAND,ALBANY
<i>Gastrolobium elegans</i>	CAT_CHG	3			2	FRANKLAND,ALBANY
<i>Thomasia quercifolia</i>	CAT_CHG	4			3	FRANKLAND,ALBANY
<i>Thomasia solanacea</i>	CAT_CHG	4			3	FRANKLAND,ALBANY
<i>Thysanotus isantherus</i>	CAT_CHG	4			3	PERTH HILLS,BLACKWOOD, FRANKLAND,ALBANY
<i>Amperea protensa</i>	DELISTED	3				BLACKWOOD, FRANKLAND,ALBANY
<i>Commersonia apella</i>	DELISTED	1				DONNELLY, FRANKLAND
<i>Hypocalymma cordifolium</i> subsp. <i>minus</i>	DELISTED	4				BLACKWOOD, DONNELLY, FRANKLAND
<i>Melaleuca</i>	DELISTED	3				DONNELLY,ALBANY

<i>diosmifolia</i>					
<i>Sphaerolobium pubescens</i>	DELISTED	3			FRANKLAND,ALBANY
<i>Adelphacme minima</i>	NAME_CHG	3		16395:Mitreola minima	BLACKWOOD,FRANKLAND,ALBANY
<i>Astartea granitica</i>	NAME_CHG	3		16817:Astartea sp. Mt Johnston (A.R. Annels 5645)	FRANKLAND
<i>Astartea middletonii</i>	NAME_CHG	2		20234:Astartea sp. Pingerup rock (E.D. Middleton 78)	FRANKLAND
<i>Astartea onycis</i>	NAME_CHG	4		14253:Astartea sp. Scott River (D. Backshall 88233)	BLACKWOOD,DONNELLY
<i>Hypocalymma verticillare</i>	NAME_CHG	2		25795:Hypocalymma sp. Walpole (E.D. Middleton EDM 33)	FRANKLAND
<i>Dampiera triloba</i>	OTHER	3			SWAN COASTAL,DONNELLY,ESPERANCE,CENTRAL WHEATBELT
<i>Gahnia sclerioides</i>	OTHER	4			BLACKWOOD,FRANKLAND,ALBANY
<i>Gastrolobium elegans</i>	OTHER	3			FRANKLAND,ALBANY
<i>Thomasia quercifolia</i>	OTHER	4			FRANKLAND,ALBANY
<i>Thomasia solanacea</i>	OTHER	4			FRANKLAND,ALBANY
<i>Thysanotus isantherus</i>	OTHER	4			PERTH HILLS,BLACKWOOD,FRANKLAND,ALBANY

