

THREATENED SPECIES AND/OR COMMUNITIES RECOVERY TEAM

PROGRAM INFORMATION

Recovery Team	Warren Threatened Flora Recovery Team
Reporting Period	Calendar year 2009

Current membership

Member		Representing
1. Chair	Brad Barton	DEC, Warren Region
2. Exec Officer	Alison Nicols	DEC, Donnelly District
3.	Roger Hearn	Regional Ecologist, DEC, Warren Region
4	Ian Wilson	DEC, Donnelly District
5.	Jo Smith	DEC, Donnelly District
6	Karlene Bain	DEC, Frankland District
7	Janine Liddelow	DEC, Frankland District
8	Cassidy Newland	DEC, Warren Region
9	Ray Cranfield	DEC, Science Division
10	Terry McFarlane	DEC, Herbarium
11	Lachie McCaw	DEC Science
12	Andrew Brown	DEC Species and Communities Branch
13	Ted Middleton	DEC, volunteer, Walpole Nornalup National Parks Association
14	Pat Dundas	Botanical Artist, volunteer
15	Lee Fontanini	Warren Catchment Council
16	Kathy Collins	Volunteer
17	Jenny Dewing	Blackwood Environment Centre
18	Mavis Sowry	Volunteer, Walpole Nornalup National Parks Association

19	<b>Erica Shedley</b>	Volunteer, DEC Science
Dates meetings were held	No meetings were held	
One to two paragraph summary of achievements suitable for <i>WATSNU</i>		
Change in membership	Alison Nicol replaces Cassidy Newland as executive officer.	
List of actions undertaken by Recovery Team		
<h2>Frankland District</h2> <p><b>TEC</b>  <b><i>Mt Lindesay_Little Lindesay Vegetation Complex</i></b>  Complex burnt October 2009. Majority of burn completed with Karlene Bain (Nature Conservation officer) and Janine Liddelov (Flora Officer) as the primary personnel and according to pre-determined strategic plan. Unburnt/burnt cells mapped post-burn from air and ground. Photo diary of areas of intensity. Dieback assessment transects visited post-burn to record burn intensity.</p> <p>Post-burn survey of Mt Lindesay TEC plots was begun.</p> <p>Mt Lindesay-Little Lindesay TEC draft Interim Recovery Plan is under review and near-final.</p> <p><b><i>Reedia spathacea _Epodismia gracillimum-Schoenus multiglumis dominated peat paluslopes of the Warren Biogeographical region</i></b>  *See <i>Reedia spathacea</i> summary</p> <p><b><i>Southwest Coastal grassland dominated by Austrostipa flavescens, Poa porphyroclados and Desmocladus fascicularis</i></b>  First round of post-burn monitoring of installed plots completed November 2009. Information captured into spreadsheet.</p> <p><b>PEC</b>  <b><i>Lake Surprise Relictual peat community</i></b>  Vegetation composition mapped. Followed up with Pierre Horowitz to determine specific values of PEC.</p> <p><b><i>Sphagnum communities of the tingle forest</i></b>  2 new populations of Sphagnum found - one not associated with Tingle.</p> <p><b>DRF</b>  <b><i>Asplenium obtusatum subsp northlandicum</i></b>  Surveyed mainland population</p> <p><b><i>Banksia verticillata</i></b>  3 populations surveyed. 1 new subpopulation found.  Pop 15 - all mature, juvenile and seedlings counted and mapped. Seedling survival over summer to be assessed.  Pop 6 - surveyed, Pc sample taken (negative result), cones collected to test for seed viability (nearly 100%)  Pop 26 - surveyed, Vegetation sample of dying hakea taken - confirmed as canker fungi, Several reference areas representing burnt/unburnt regeneration were selected and collated on.</p> <p><b><i>Caladenia christineae</i></b>  6 populations surveyed</p> <p><b><i>Caladenia harringtoniae</i></b>  2 populations surveyed</p> <p><b><i>Conostylis misera</i></b>  1 population surveyed</p> <p><b><i>Cryptandra congesta</i></b>  Multiple populations taken in Mt Lindesay burn (October 2009). Included in post burn monitoring project.  <i>Cryptandra congesta</i> IRP approved</p>		

***Diuris drummondii***

2 new subpopulations mapped on private property

***Drakaea micrantha***

2 populations surveyed

***Grevillea fuscolutea***

Multiple populations taken in Mt Lindesay burn (October 2009). Included in post burn monitoring project.  
*Grevillea fuscolutea* IRP approved

***Kennedia glabrata***

Nil action

***Laxmannia grandiflora ssp brendae***

Multiple populations taken in Mt Lindesay burn (October 2009). Included in post burn monitoring project.  
*Laxmannia grandiflora ssp. brendae* IRP completed and awaiting approval.

***Meziella trifida***

2 populations surveyed

***Microtis globula***

Habitat search post burn completed

***Rhacocarpus rehmannianus var webbianus***

Pop 1 - all gnammas mapped and assessed post wildfire in November 2009

***Reedia spathacea***

1 population surveyed. Historical information being compiled and revised to present in a format outlining the species response to fire, pigs and other threats.  
Additional NRM funding secured to examine fire response and extend existing fencing.

***Sphenotoma drummondii***

Nil action

***Verticordia apecta***

Nil action

***Verticordia fimbriolepis ssp australis***

Nil action

**Priority Flora**

Approx 76 new populations recorded

108 known populations priority flora surveyed including:

*Andersonia jamesii* - habitat search: 1 new population

*Rulingia apella* - habitat search carried out

*Sphaerolobium benetectum* - habitat search carried out

*Tetratea* sp Kent River - fire response mapping

*Warnstorfia fluitans* - mapped with *Rhacocarpus rehmannianus var webbianus*

*Aotus franklandii* - habitat search carried out

*Calothamnus scabridus*, *Astartea* sp Mt Johnson, *Verticordia endlicheriana*, *Chamelaucium forrestii* subsp *forrestii*, *Asplenium*

*aethiopicum* - mapped as granite recovery species post intense wildfire

*Hybanthus volubilis* - pre and post burn fire response mapping

*Astartea* sp Mt Johnson - population surveys to determine requirement for relisting

*Cyathochaete stipoides* - fire response plots installed

*Hemiandra australis*, *Lomandra ordii* - population extents mapped on both Clarke and Bald islands (Broke Inlet)

*Mitreola minima* - surveyed as a representative of a fire ephemeral in the Small Grain Mosaic

**Donnelly District**

**TEC**

***Reedia spathacea* - *Epodismia gracillimum*-*Schoenus multiglumis* dominated peat paluslopes of the Warren Biogeographical region**

3 new records within the Donnelly District (Cate Taus), which were incorrectly listed as being in the Frankland District.

Population on Chesapeake Brook surveyed. At least 8ha of habitat containing *Reedia spathacea*. 2 records at Mt Chudalup yet to be located and surveyed.

## PEC

### Epiphytic cryptogams of the Karri forests of south west of Western Australia

In the process of mapping the occurrences within the Dombakup and Warren forest blocks and scoring the condition of each occurrence.

#### *Black Point PEC*

Vegetation survey undertaken at Black Point to determine possible unique candidate communities suspected to be associated with the Bunbury Basalt.

## DRF

### *Andersonia annelsii*

Annual monitoring. Overall population is stable. Plants counted in 1mx1m plots have increased at Site 2 but numbers have decreased at Site 3 on lower slope. Seedlings tagged in 2007 and 2008 have produced flowers yet.

### *Brachyschias verucundus*

Nil action

### *Caladenia christineae*

1 population monitored to be burnt in autumn. 1 new population recorded.

### *Caladenia dorrienii*

4 populations surveyed

### *Caladenia harringtoniae*

Nil action

### *Caladenia lodgeana*

Nil action

### *Caladenia winfieldii*

2008 Monitoring counted 22 flowering plants

2009 monitoring counted 43 flowering plants

### *Diuris drummondii*

1 new population on private property (Great Southern Plantation) yet to be verified with a RFRF.

### *Grevillea acrapogon*

2009 monitoring counted and tagged 32 new plants (seedlings with secondary leaves) and 22 seedlings (not tagged but marked). 930 seeds collected and sent to TSSC.

Translocation site -

90% survival. Plants look healthy. Chariup block recently burnt off an exclusion track creating a 200m buffer around the site. Plantings to replace dead plants and in-fill to be undertaken end of May.

Second potential translocation site has been found on Great Southern Plantation remnant vegetation adjacent to proposed NP

### *Kennedia glabrata*

2 populations surveyed with very low numbers of small plants.

### *Meziella trifida*

4 populations monitored and surveyed. 3 new populations recorded.

### *Rhacocarpus rehmannianus var webbianus*

Nil action

### *Reedia spathacea*

1 Mt. Chudalup population surveyed post prescribed burn. Lignotubers intact.

### *Verticordia densiflora var. pendunculata*

Nil action

## Priority Flora

Approx 40 new populations recorded

128 known populations priority flora surveyed including:

*Bossiaea* sp. 'Frankland' P1- mapped extent of population, notified GSP and ITC

*Scaevola ballajupensis* P1 - monitored  
*Caladenia erythrochila* P2 - new population recorded. 1 population surveyed post prescribed burn  
*Calytrix* sp. 'Tutunup' P2 - population surveyed  
*Diuris heberlei* P2 - population verified with a RFRF requires surveying  
*Kunzea micrantha ssp. hirtiflora* P2- 3 new populations recorded  
*Leptinella drummondii* P2 - 7 new populations recorded  
*Cyathochaeta stipoides* P3 - fire response plots monitored  
*Stylidium leeuwinense* P3 - fire response plots monitored  
*Synaphea decumbens* P3 - fire response plots monitored  
*Acacia oncinophylla ssp patulifolia* - fire response plot installed

**Assessment of progress  
 towards meeting criteria  
 for success (from Recovery  
 Plan)**

**Assessment against criteria  
 for failure (from Recovery  
 Plan)**