

REPORT

THREATENED SPECIES AND/OR COMMUNITIES RECOVERY
TEAM

PROGRAM INFORMATION

Recovery	Albany Threatened Flora Recovery Team
Reporting Period	Calendar year 2009

Current membership

Member		Representing
1. Chair	Sarah Comer	DEC
2. Exec Officer	Sarah Barrett	DEC
3.	Sue Osborne	Ongerup Wildflower Society
4	Linda Strahan	Ongerup Wildflower Society
5.	Libby Sandiford	Albany Wildflower Society
6	John Tucker	Ravensthorpe Wildflower Society
7	Margaret Pieroni	Community
8	Karin Baker	DEC
9	Merle Bennett	Ravensthorpe Wildflower Society
10	Andrew Brown	DEC
11	Dave Coates	DEC
12	Anne Cochrane	DEC
13	Meredith Spencer	DEC
14	Greg Freebury	DEC

Dates meetings were held	27/5/09; 12/11/09
Summary of recovery Actions	<p>New populations of the following threatened flora were located: <i>Calectasia cyanea</i> (CR), <i>Banksia brownii</i> (CR), <i>Persoonia micranthera</i> (CR), <i>Andersonia pinaster</i> (EN), <i>Caladenia bryceana</i> subsp. <i>bryceana</i> (EN), <i>Chordifex abortivus</i> (VU)</p> <p>Known numbers of <i>Eucalyptus burdettiana</i> (East Mt Barren) and <i>Verticordia helichrysantha</i> (Vu) (Trigelow Beach) were substantially increased following survey,</p> <p>New translocations was completed for the CR taxa <i>Gastrolobium luteifolium</i> and <i>Latrobea colophona</i> at a new site recently purchased by DEC, while further translocations to existing sites were undertaken for <i>Banksia anatona</i>, <i>Banksia brownii</i>, <i>Lambertia fairallii</i> and <i>Banksia montana</i>.</p> <p>The Albany aerial phosphite program for control of <i>Phytophthora</i> dieback continued in 2009. Monitoring indicates that species decline and disease spread has been reduced particularly at <i>Banksia anatona</i> population 2, <i>Daviesia pseudaphylla</i> Pop 1 and <i>Daviesia glossosema</i> P1.</p> <p>The status of four Priority flora were evaluated following survey for nomination as DRF: <i>Asterolasia</i> sp Kalgan (P1), <i>Calochilus pruinatum</i> (P1), <i>Banksia rufa</i> ssp <i>pumila</i> and (P2) <i>Gastrolobium vestitum</i> (P2).</p> <p><i>Acacia awestoniana</i> was re-surveyed after fire in 2006 and a change in status from VU to CR recommended.</p>
One to two paragraph summary of achievements suitable for WATSNU	<p>A new population of <i>Calectasia cyanea</i> (CR), previously known from only one population of 100 plants was located near the Albany wind farm by local volunteer Keith Smith.</p> <p>Extensive survey has been conducted around Albany for this species with efforts made to retrace the steps of Robert Brown who first collected the species in 1801. Keith was looking for the Queen of Sheba orchid <i>Thelymitra variegata</i> whose coloration resembles that of the <i>Calectasia</i>, a possible case of floral mimicry to attract pollinators.</p>
List of actions undertaken by Recovery Team	
<p>Annual monitoring of Critically Endangered Flora including 13 species in phosphite program</p> <p>Post-fire monitoring of <i>Verticordia crebra</i> (VU), burnt 2008, <i>Adenanthos ellipticus</i> (VU), West Mt Barren, burnt in 2006.</p> <p>Aerial phosphite application to 18 DRF in 30 targets, 282 ha in</p>	

total.

New targets were established for *Daviesia ovata* (CR) at two sites, Manypeaks west.

Additional herbivore protection (caging/ fencing) was undertaken for CR taxa *Persoonia micranthera*, *Banksia montana*, and *Daviesia ovata*, and commenced for *Acacia awestoniana* (VU).

Rabbit baiting (1080 oats) was initiated on Bluff Knoll and East Bluff to protect CR taxa *B. montana*, *P. micranthera* and *L. graphalioides* as well as other components of the Montane Thicket TEC.

Additional seed collections were made for CR taxa *Banksia montana*, *Daviesia glossosema*, *D. pseudaphylla* and *Lambertia fairallii*, *B. anatona*, and *Daviesia ovata*.

Cuttings were taken from CR taxa *Persoonia micranthera*, *Daviesia ovata* and *Latrobea colophona*.

Extensive monitoring was conducted for *Calectasia cyanea* (CR) at Torndirrup National Park and the wind farm area.

Herbicide control of *Dolichos lignosus**(post-fire) was ongoing with around populations of *Apium prostratum* ssp. *phillipii* in the Porongurup NP.

Communications:

Journal article in Australasian Plant Conservation regarding seed orchards for CR taxa, autumn 2009.

Presentation on translocations and seed orchards at Kew UK spring 2009.

Article on translocations submitted to Kew Bulletin summer 2009.

Phytophthora dieback interpretation on display at Albany Wildflower Show.

Article in Mountain Forum Bulletin July 2009 including DRF management within Montane Thicket TEC

Assessment of progress towards meeting criteria for success (from Recovery Plan)	Phosphite slows rate of decline for Stirling Range and other CR taxa threatened by <i>P. cinnamomi</i> , <i>ex-situ</i> conservation and establishment of seed orchards for these species adds to total numbers of individuals. Other CR taxa remain stable other than where fire has impacted on populations in the short term.
Assessment against criteria for failure (from Recovery Plan)	