



SUMMARY ANNUAL REPORT THREATENED SPECIES AND/OR COMMUNITIES RECOVERY TEAM

PROGRAM INFORMATION

Recovery Team name	Great Southern District Threatened Flora Recovery Team	
Reporting Period (Calendar Year)	Calendar year 2008	
Proposed membership		
	Member	Representing
CHAIR	District Manager, Great Southern	DEC
EXEC OFFICER	Conservation Officer (Flora), Great Southern	DEC
	Regional Ecologist, Wheatbelt	DEC
	1x	Main Roads WA
	1x	Western Power
	1x	Telstra
	1x	Water Corporation
	1x	Westnet Rail
	2x	Local Government Authorities
	2x	Landowners
	Coordinator, Threatened Flora, Species & Communities Branch	DEC
	1x	Science Division, DEC
	1x	Botanic Gardens and Parks Authority
	2x	Volunteer Groups/Community Groups
	Manager, Blackwood Basin Group	SWCC NRM

	1x	AVON NRM
	Ecologist, TECs, Species and Communities Branch	DEC
	TSN Coordinator, South West Australia	WWF Australia
Dates meetings were held in 2008	NIL in 2008 – currently developing the team’s structure and terms of reference since the merge of the former Katanning and Narrogin District’s and thus the two recovery teams. This has been delayed due to the resignation of Beth Loudon and time taken to fill the Great Southern District Flora Conservation Officer position.	
One to two paragraph summary of achievements		
List of actions undertaken by Recovery Team (from actions in Recovery Plan / Management Plan)		
Action 1	<p>Surveys and monitoring</p> <p>Monitored <i>Dryandra preissii</i> (P4) populations; also surveyed Haddleton Nature Reserve for this species.</p> <p>Monitored <i>Verticordia carinata</i> population.</p> <p>Monitored <i>Pultenaea pauciflora</i> populations.</p> <p>Monitored <i>Caladenia bryceana</i> subsp. <i>bryceana</i> population at Wild Horse Swamp. Collated and analysed all previous monitoring data for this species.</p> <p>Monitored 2 populations of <i>Tribonanthes purpurea</i>.</p> <p>Monitored 3 populations of <i>Caladenia graniticola</i> in Dragon Rocks Nature reserve; also conducted extensive surveys for new populations of this species in Dragon Rocks Nature Reserve.</p> <p>Monitored <i>Caladenia melanema</i> populations.</p> <p>Monitored <i>Caladenia williamsiae</i> populations.</p> <p>Monitored <i>Muehlenbeckia horrida</i> subsp. <i>abdita</i> populations.</p> <p>Monitored <i>Grevillea involuocrata</i> population, Dyke Rd</p> <p>Conducted detailed monitoring of established transects in <i>Caladenia graniticola</i>, <i>Caladenia williamsiae</i>, <i>Caladenia melanema</i> and <i>Drakea isolata</i> populations as part of the Wheatbelt Orchid Rescue project.</p>	
Action 2	<p>New populations</p> <p>A new sub-population of <i>Caladenia graniticola</i> was located in Dragon Rocks Nature Reserve.</p> <p>A new sub-population of <i>Caladenia melanema</i> was located near Lake Altham.</p>	
Action 3	<p>Rabbit control</p> <p>The rabbit control program in 2008 implemented 1080 baiting at 2 populations of <i>Adenanthos pungens</i> subsp. <i>effusus</i>, 8 populations of</p>	

	<p><i>Banksia cuneata</i>, 2 populations of <i>Banksia oligantha</i>, 3 populations of <i>Caladenia graniticola</i>, 2 populations of <i>Conostylis setigera</i> subsp. <i>dasy</i>, 2 translocated sites of <i>Darwinia carnea</i>, 2 populations of <i>Dryandra ionthocarpa</i> subsp. <i>chrysophoenix</i>, 1 population of <i>Eremophila subteretifolia</i>, 1 population of <i>Goodenia integerrima</i>, 2 populations of <i>Grevillea scapigera</i>, 1 population of <i>Rhizanthella gardneri</i>, 2 translocated populations of <i>Symonanthus bancroftii</i>, 4 populations of <i>Verticordia fimbrileps</i> subsp. <i>fimbrileps</i>, 2 populations of <i>Verticordia staminosa</i> var. <i>cylindracea</i> and 1 population of <i>Verticordia staminosa</i> var. <i>erecta</i>.</p>
Action 4	<p>Weed control</p> <p>Some hand weeding conducted at <i>Caladenia melanema</i> populations.</p> <p>Sprayed, slashed and hand weeded around the known sites of <i>Caladenia bryceana</i> subsp. <i>bryceana</i> (Population 2) during autumn and early winter at Wildhorse Swamp before leaf emergence.</p>
Action 5	<p>Seed collection</p> <p>Collected seed from <i>Caladenia graniticola</i>, <i>Caladenia melanema</i> and <i>Caladenia williamsiae</i>. Seed has been placed in long-term storage at BGPA, some seed has been used for seed baiting trials conducted during 2008 and some will be used for future translocation trials for this species.</p> <p>Collected seed from <i>Thomasia montana</i>, <i>Hemigenia ramosissima</i>, <i>Grevillea involucreta</i> and <i>Pultenaea pauciflora</i>.</p> <p>Some seed collected for the Marribank revegetation project.</p>
Action 6	<p>Habitat protection and rehabilitation (includes fencing)</p> <p>Fenced a population of <i>Diuris micrantha</i> in a Frankland bush reserve.</p> <p>Planned a revegetation trial for the lake floor of Wildhorse Swamp and planted seedlings to attempt to lower the groundwater level and reduce the threat of increasing salinity to a population of <i>Caladenia bryceana</i> subsp. <i>bryceana</i> which grows on a sand dune between this swamp and a smaller hypersaline swamp.</p>
Action 7	<p>Community engagement and communications</p> <p>Display developed for 'Woolorama' in Wagin (March) and Newdegate Field Days (September).</p> <p>Prepared text and images for a DRF booklet for the SWCC Region of the District to be published in 2009.</p> <p>WANOSCG volunteers were involved in numerous orchid surveys throughout the year.</p> <p>Local rare flora volunteers were involved in fencing projects, translocation activities and weed control.</p> <p>Continued liaison with local rare flora volunteer groups and Wildflower Societies.</p> <p>Continued liaison with local NRM officer's and Landcare officer's regarding on-ground activities and funding opportunities.</p>
Action 8	<p>Translocations</p> <p>Conducted biannual monitoring of Site 1 of the <i>Hemigenia ramosissima</i> translocation. Watering was maintained at this translocation site during the year.</p>

	<p>Prepared Site 2 for the translocation of <i>Hemigenia ramosissima</i> and planted seedlings with the assistance of rare flora volunteers. Monitored this site and maintained watering.</p> <p>Monitored the two <i>Darwinia carnea</i> translocation sites, continued watering at the sites over summer.</p> <p>Continued liaison with BGPA for ongoing maintenance and monitoring at three <i>Grevillea scapigera</i> translocation sites.</p>
Action 9	<p>Science and research</p> <p>Seed baiting experiments conducted for <i>Caladenia graniticola</i>, <i>Caladenia williamsiae</i> and <i>Caladenia melanema</i> as part of the Wheatbelt Orchid Rescue project. Also collected fungi for these species, some of which will be placed in long-term storage.</p> <p>Possible pollinator identified for <i>Caladenia melanema</i>.</p> <p>A paper describing the habitat requirements of the Underground Orchid (<i>Rhizanthella gardneri</i>) was published in the Australian Journal of Botany (Bougoure <i>et al</i>, 2008).</p> <p>Liaised with Science Division to conduct field work for research into the genetics of <i>Dryandra ionthocarpa</i> subsp. <i>chrysophoenix</i>. A report detailing the clonal variation amongst plants at populations and to identify population genetics for this species will be produced in 2009.</p> <p>Liaised with Science Division to collect <i>Pultenaea pauciflora</i> leaf material for DNA analysis comparing geographically distinct populations.</p> <p>Analysed groundwater bore data and organised a LIDAR survey for Wildhorse Swamp (<i>Caladenia bryceana</i> subsp. <i>bryceana</i> population)</p>
Action 10	<p>Interim recovery plans</p> <p>IRPs for were edited and approved for <i>Banksia cuneata</i>, <i>Bentleya spinescens</i>, <i>Darwinia carnea</i>, <i>Grevillea involucreta</i>, <i>Acacia leptalea</i>, <i>Conostylis rogeri</i>, <i>Conostylis seorsiflora</i> subsp. <i>trichophylla</i>, <i>Acacia auratiflora</i>, <i>Acacia lanuginophylla</i>, <i>Acacia insolita</i> subsp. <i>recurva</i>, <i>Acacia leptalea</i>, <i>Caladenia melanema</i>, <i>Caladenia williamsiae</i> and <i>Dryandra ionthocarpa</i> subsp. <i>chrysophoenix</i>.</p>
Action 11	<p>Fire management and response plans</p> <p>Identified critical habitat for <i>Caladenia graniticola</i>, <i>Drakaea isolata</i> and <i>Caladenia melanema</i> for inclusion in a fire management plan.</p> <p>Conducted post fire monitoring of sites at Lake Magenta.</p> <p>Developed an Active Adaptive Management plan using fire and mechanical methods to remove sheoaks (<i>Allocasuarina huegeliana</i>) from Kwongan heath in Tutanning Nature Reserve. The plan aims to restore/halt the decline of this vegetation type within the reserve.</p>
Assessment of progress towards meeting criteria for success (from Recovery Plan)	
Assessment against criteria for failure (from Recovery Plan)	