

THREATENED SPECIES AND/OR COMMUNITIES RECOVERY TEAM

PROGRAM INFORMATION

Recovery Team	Geraldton District Threatened Flora and Communities Recovery Team	
Reporting Period	Calendar year 2009	
Current membership		
	Member	Representing
1. Chair	David Rose, District Manager	DEC
2. Exec Officer	Alanna Chant Conservation Officer (Flora) Geraldton	DEC
3.	Ann Carr	Mingenew-Dongara Herbarium Group
4	Rotating Representative	Main Roads
5.	Josephine Docherty	Mullewa Wildflower Society
6	Species and Communities Branch representatives (Andrew Brown, Jill Pryde)	DEC
7	Jon Stevens	Westnet Rail (not an official member but attends regularly)
8	Jenna Brooker (previously represented by Irene Shepard)	Geraldton Regional Herbarium
9		
Dates meetings were held	No recovery team meetings were held during the period of this annual report due to a change in the Flora Conservation Officer position mid year. For the second half of 2009 the Flora Conservation Officer position has been filled in a part-time capacity.	
One to two paragraph summary of achievements suitable for WATSNU	<p>A trial to induce recruitment at a population of <i>Stylidium amibile</i> was conducted during winter 2009. The trial was monitored in late 2009 and a total of 425 new recruits were recorded, with the majority in burnt plots and several in one smoked plot. Monitoring following an exceptionally dry summer indicated a 44% survival rate.</p> <p>New seedlings of <i>Verticordia spicata subsp. squamosa</i> were planted out into an existing translocation site, which was the fourth round of planting for this translocation site since 2002. The most recent monitoring data for this site indicates a survival rate of approximately 45% over an 8 year period.</p> <p>Extensive survey and location of many new populations of <i>Eucalyptus blaxellii</i> during 2008 was followed by a nomination for this species to be removed from the threatened flora list in 2009 and the species has now been downgraded to P4.</p>	

	<p>Extensive survey was carried out for several priority flora in 2008 with some follow up in 2009, of flora which were thought to be at a high risk of extinction in the short term. Nominations for threatened flora listing were prepared for three of these priority flora and one was submitted to the scientific committee for assessment (<i>Commersonia adenothalia</i>).</p>
<p><b>List of actions undertaken by Recovery Team</b></p>	
<p><b>Survey and Monitoring</b>  54 populations of 25 different DRF were monitored during 2009 and 22 new populations of 11 different DRF were surveyed including: <i>Acacia imitans</i> 5 populations, <i>Caladenia hoffmanii</i> 1 population, <i>Chorizema humile</i> 1 population, <i>Conostylis micrantha</i> 1 population, <i>Drakaea concolor</i> 1 population, <i>Glyceria drummondii</i> 3 sub populations, <i>Grevillea bracteosa</i> subsp <i>howatharra</i> 1 population and 1 sub-population, <i>Hybanthus cymulosus</i> 3 populations, <i>Leucopogon marginatus</i> 4 populations and <i>Stachystemon nematophorus</i> 2 populations.</p> <p>Numerous priority flora populations were surveyed including the following taxa: <i>Lasiopetalum oppositifolium</i> P3, <i>Acanthocarpus parviflorus</i> P3, <i>Lechenaultia longiloba</i> P4, <i>Chamelaucium marchantii</i> P2, <i>Lepidosperma rupestre</i> P4, <i>Melaleuca oldfieldii</i> P2, <i>Hemigenia pimelifolia</i> P2, <i>Chamelaucium sp. Canna</i> P1, <i>Calytrix harvestiana</i> P2, <i>Keraudrenia saxatilis</i> P2, <i>Grevillea annulifera</i> P3, <i>Beyeria gardneri</i> P3, <i>Verticordia polytricha</i> P4, <i>Grevillea granulosa</i> P3, <i>Eremophila sp. Tallering</i> P1, <i>Baeckea sp Walkaway</i> P3, <i>Banksia scabrella</i> P4, <i>Scholtzia sp. Gunyidi</i> P2, <i>Lasipetalum oldfieldii</i> P3, <i>Verticordia densiflora var. roseostella</i> P3, <i>Ereamea acutifolia</i> P3 and <i>Eremophila brevifolia</i> P2.</p> <p><b>Liaison</b>  Liaison has continued to take place with land holders and land managers in relation to DRF and priority flora populations which have been surveyed during 2009.</p> <p><b>Community Involvement</b>  The Geraldton Regional Herbarium group, TAFE Land Management students and other interested individuals have continued to participate actively in implementation of recovery actions.</p> <p><b>Research Trials</b>  Monitoring of post disturbance recovery has continued for <i>Grevillea bracteosa</i> subsp. <i>Howatharra</i>, <i>Gyrostemon reticulatus</i> and was initiated for <i>Stylidium amibile</i>.</p> <p><b>Necessary Operations Flora Surveys</b>  Various flora surveys were carried out for the purpose of Necessary Operations approval and resulted in the recording of numerous new priority flora populations and several DRF; including the following DEC managed locations:</p> <ul style="list-style-type: none"> <li>• Kalbarri National Park Z Bend walk trail.</li> <li>• Kalbarri National Park 6 resource pits for rehabilitation.</li> <li>• Bowgada Nature Reserve resource pit rehabilitation.</li> <li>• Burma Road Nature Reserve fire break.</li> <li>• Geraldton District Reserve C33799, proposed rezoning.</li> <li>• Francois Peron National Park, new feral animal barrier fence alignment.</li> <li>• Karara Midwest tenement proposed reserve inspection.</li> </ul>	
<p><b>Assessment of progress towards meeting criteria for success (from Recovery Plan)</b></p>	<p>At present there are approximately 20 IRPs for threatened flora species and 4 IRPs for TECs which apply to the Geraldton District. Some of these are now outside the term of the plan however the information relating to threats and recovery actions is often still relevant and therefore actions are ongoing.</p> <p>For each plan the criteria for the successful recovery of the species or community are usually as follows: <b>Criteria for success:</b> The numbers of individuals within populations and/or the number of populations has increased.</p> <p>As the implementation of IRPs is long term it is not possible to quantify their success on an annual basis, however an increases in the number of individuals or known populations during 2009 has been recorded for the following DRF for which IRPs have been prepared: <i>Acacia imitans</i>, <i>Chorizema humile</i>, <i>Consotylis micrantha</i>,</p>

	<p><i>Grevillea bracteosa</i> subsp. Howatharra, <i>Hybanthus cymulosus</i> and <i>Leucopogon marginatus</i>.</p>
<p><b>Assessment against criteria for failure (from Recovery Plan)</b></p>	<p>For each plan the criteria for failure for the species or community is usually as follows: <b>Criteria for failure:</b> The numbers of individuals within populations and/or the number of populations have decreased.</p> <p>Similarly to the criteria for success, the failure in the recovery of a DRF is generally a long term process; however a decrease in number of populations or individuals has been recorded in the following DRF for which IRPs have been prepared: <i>Grevillea phanerophlebia</i> and <i>Verticordia spicata</i> subsp. <i>squamosa</i>.</p>