

## RECOVERY TEAM ANNUAL REPORT

### THREATENED SPECIES AND/OR COMMUNITIES RECOVERY TEAM

#### PROGRAM INFORMATION

##### Recovery Team

Geraldton District Threatened Flora and Ecological Communities Recovery Team

##### Reporting Period

Submission date 31 March

**DATE FROM:** 1 January 2012 **DATE TO:** 31 December 2012

#### Current membership

Member		Representing
<b>Chair</b>	<b>David Rose, District Manager, Geraldton District</b>	DEC
<b>Exec Officer</b>	Alanna Chant, Conservation Officer (Flora), Geraldton District	DEC
<b>members</b>	Vacant	Mingenew-Dongara Herbarium Group
	Anna Sutherland	Main Roads WA
	Josephine Docherty	Mullewa Wildflower Society
	Species and Communities Branch Representatives (Andrew Brown, Jill Pryde, Gillian Stack, Robyn Luu, Nick Casson)	DEC
	Vacant	NACC
	Jenna Brooker	Geraldton Regional Herbarium
<b>not official members</b>	Kiera Foster, Conservation Officer (Flora), Geraldton District	DEC
	Jon Stevens, Ernie Stead-Richardson	Brookfield Rail
	Robin Simkin	Kalbarri Herbarium
	Joshua Foster, Amanda Melling	GHD Pty Ltd
	Alice James	Durack Institute
	Robyn Nicholas	City of Greater Geraldton
	Alison Pearce, Sarah Flavall	Main Roads WA (on contract from Downer EDI)
	Wendy Payne	NACC
<b>Dates meetings were held</b>		22 <sup>nd</sup> May 2012

**Highlights of achievements** for the previous 12 months suitable for publication in *WATSNU* and contribution to DEC annual report. Provide 1-2 paragraphs summarising total number of new populations located, surveys completed, list major management actions etc

New populations of two of the District's most threatened flora (*Gyrostemon reticulatus* and *Grevillea bracteosa* subsp. *howatharra*) were discovered and surveyed. An additional 3 populations of 2 threatened flora taxa (*Wurmbea tubulosa* and *Stachystemon nematophorus*) were discovered and surveyed.

Rabbit and pig baiting was undertaken in Autumn 2012 in 5 reserves within the Shire of Chapman Valley. DRF at risk of being impacted through grazing by these animals within these reserves are *Caladenia wanosa*, *Caladenia elegans*, *Caladenia hoffmanii*, *Drummondita ericoides* and *Grevillea bracteosa* subsp. *howatharra* as well as numerous priority flora.

#### List of recovery actions coordinated by Recovery Team

Detail under the headings below the recovery actions undertaken during the reporting period. Provide separate detail for each species/community against each action. For species/community-specific recovery teams, the generic activity types below can be replaced by the specific recovery actions from the recovery plan where appropriate.

**Monitoring and survey** of existing and new populations/ occurrences, targeted surveys, critical habitat mapped etc.

47 known populations and subpopulations of 23 DRF were surveyed and/or monitored during 2012:

Taxon	Population number/s
<i>Acacia imitans</i>	1
<i>Acacia unguicula</i>	1,2,3
<i>Caladenia bryceana</i> subsp. <i>cracens</i>	10
<i>Caladenia elegans</i>	3(A,B)
<i>Caladenia hoffmanii</i>	1 (A,B,C,D), 5D, 10, 14, 12
<i>Caladenia wanosa</i>	14, 23
<i>Conostylis dielsii</i> subsp. <i>teres</i>	6
<i>Conostylis micrantha</i>	7
<i>Drakaea concolor</i>	2A
<i>Drummondita ericoides</i>	2A
<i>Eremophila nivea</i>	7(A,B,C), 11
<i>Eremophila rostrata</i> subsp. <i>trifida</i>	3
<i>Eucalyptus cuprea</i>	11(A), 12(C,D), 13(A)
<i>Grevillea bracteosa</i> subsp. <i>howatharra</i>	4
<i>Hybanthus cymulosus</i>	6,8
<i>Hypocalymma angustifolium</i> subsp. <i>Hutt River</i>	2(A,B,C)
<i>Lechenaultia chlorantha</i>	1A
<i>Leucopogon marginatus</i>	4
<i>Pterostylis sinuata</i>	1(A,B), 7
<i>Stylidium scintillans</i>	10
<i>Tecticornia bulbosa</i>	1
<i>Wurmbea tubulosa</i>	13(A,B)

Five new populations and subpopulations of 4 DRF were surveyed and/or monitored in 2012:

	<table> <tr> <th>Taxon</th><th>New populations</th></tr> <tr> <td><i>Grevillea bracteosa</i> subsp. <i>howatharra</i></td><td>1</td></tr> <tr> <td><i>Gyrostemon reticulatus</i></td><td>1</td></tr> <tr> <td><i>Stachystemon nematophorus</i></td><td>2</td></tr> <tr> <td><i>Wurmbea tubulosa</i></td><td>1</td></tr> </table>	Taxon	New populations	<i>Grevillea bracteosa</i> subsp. <i>howatharra</i>	1	<i>Gyrostemon reticulatus</i>	1	<i>Stachystemon nematophorus</i>	2	<i>Wurmbea tubulosa</i>	1
Taxon	New populations										
<i>Grevillea bracteosa</i> subsp. <i>howatharra</i>	1										
<i>Gyrostemon reticulatus</i>	1										
<i>Stachystemon nematophorus</i>	2										
<i>Wurmbea tubulosa</i>	1										
<b>Threat amelioration</b> eg weed control/mapping, fencing/ repairs, fire management disease management, feral/ introduced animal control, installation of roadside markers	<p>Rabbit and pig control was undertaken in Autumn 2012 in 5 reserves within the Shire of Chapman Valley. DRF at risk of being impacted through grazing by these animals within these reserves are <i>Caladenia wanosa</i>, <i>Caladenia elegans</i>, <i>Caladenia hoffmanii</i>, <i>Drummondita ericoides</i> and <i>Grevillea bracteosa</i> subsp. <i>Howatharra</i> as well as numerous priority flora.</p> <p>Roadside markers were installed at the following populations of DRF:</p> <ul style="list-style-type: none"> <li><i>Eucalyptus cuprea</i> subpopulations 11A &amp; 13A</li> </ul>										
<b>Conservation and research</b> e.g. fire research, translocation, ex-situ conservation, revegetation/rehabilitation etc	<p>Post burn monitoring was conducted at 3 populations of DRF within the Burma Road Nature Reserve. The taxa and populations monitored were:</p> <ul style="list-style-type: none"> <li><i>Leucopogon marginatus</i> (population 4);</li> <li><i>Conostylis micrantha</i> (population 7); and,</li> <li><i>Conostylis dielsii</i> subsp. <i>teres</i> (population 6).</li> </ul> <p>Translocated populations of 3 DRF taxa were monitored:</p> <ul style="list-style-type: none"> <li><i>Eremophila nivea</i>;</li> <li><i>Acacia unguicula</i>; and</li> <li><i>Acacia imitans</i>.</li> </ul>										
<b>Liaison, education/provision of advice</b> e.g. promotional material inc newspaper/ magazine articles, liaison with land managers/ owners, input to impact assessment, development of specific management plans, volunteers assisting with surveys/ monitoring etc.	<p>Two of the six new populations of DRF were found by a DEC volunteer (<i>Wurmbea tubulosa</i> and <i>Stachystemon nematophorus</i>), while another was found by a local consultant (<i>Gyrostemon reticulatus</i>). DEC volunteers also provided assistance in searching for priority flora, conducting a full survey of a large population of <i>Stachystemon nematophorus</i>, as well as partial survey and flora specimen collection within Burma Road Nature Reserve.</p> <p>Advice in relation to flora and vegetation was provided by the Geraldton District for 19 clearing permit applications during 2012.</p> <p>Advice in relation to flora and vegetation was provided by the Geraldton District to the Department of Mines and Petroleum; mining companies and consultants during 2012.</p> <p>Land managers with which liaison was undertaken during 2012 include:</p> <ul style="list-style-type: none"> <li>Western Power;</li> <li>Main Roads Western Australia;</li> <li>Shire of Perenjori;</li> <li>Shire of Northampton;</li> <li>The National Trust of Australia (WA);</li> <li>Pindiddy Aboriginal Corporation;</li> <li>Australian Wildlife Conservancy;</li> <li>Frank and Kathleen Vinton (private);</li> <li>Kerrie Cribb (private);</li> <li>Garry Ward (private).</li> </ul> <p>Community organisations, members of the community, and other organisations with which direct advice and/or liaison of a general nature</p>										

	<p>with respect to flora and vegetation conservation was undertaken in 2012 include:</p> <ul style="list-style-type: none"> <li>• Geraldton Regional Herbarium Group;</li> <li>• Robin Simkin, volunteer and curator of Kalbarri Herbarium;</li> <li>• Western Power;</li> <li>• Main Roads Western Australia;</li> <li>• Shire of Perenjori;</li> <li>• Shire of Northampton;</li> <li>• City of Greater Geraldton;</li> <li>• Shire of Chapman Valley;</li> <li>• Northern Agricultural Catchments Council;</li> <li>• Brookfield Rail;</li> <li>• Gindalbie Metals;</li> <li>• Karara Mining Ltd;</li> <li>• Jenny Borger - consultant;</li> <li>• GHD Pty Ltd;</li> <li>• Men of the Trees, Geraldton;</li> <li>• Yilgarn Seeds;</li> <li>• Kalannie Tree Nursery;</li> <li>• Forest Products Commission;</li> <li>• Blyth Tree Farm; and</li> <li>• At least 5 members of the public.</li> </ul>
<p><b>Land use/tenure changes</b> e.g. covenants, acquisitions, changes in land use or listed purpose etc.</p>	<p>Lot 91 on Deposited Plan 73308 in Tardun was transferred to the ownership of the Conservation Commission during 2012. This property was purchased by Brookfield Rail as an offset for clearing for a railway upgrade project and is now a Nature Reserve managed for the purposes of conservation of flora and fauna. There are known to be Priority taxa within this new reserve, and some of the habitats within the land parcel correspond to those of the DRF taxa <i>Gyrostemon reticulatus</i>, <i>Stylidium wilroyense</i> and <i>Androcalva adenothalia</i>. Survey for these species is anticipated for 2013.</p>
<p><b>Conservation status reviews for taxa/TECs</b> e.g. nominations for additions, deletions or change in status to state threatened or priority lists; changes to EPBC list</p>	<p><i>Stylidium wilroyense</i> was nominated to addition to the state threatened lost, and its status was changed from P2 to DRF(CR) on 17 November 2012.</p>
<p><b>Recovery plans</b> e.g. recovery plans/ IRPs drafted, approved, reviewed or updated</p>	<p>The following interim recovery plans were reviewed by Geraldton District and the Midwest Region:</p> <ul style="list-style-type: none"> <li>• <i>Androcalva adenothalia</i></li> <li>• <i>Grevillea bracteosa</i> subsp. <i>howatharra</i>; and</li> <li>• <i>Grevillea murex</i>.</li> </ul>
<p><b>Other actions completed</b></p>	<p>In September 2012, Geraldton District completed and submitted the district's section of the State NRM Project Strategic Grant Re-write and Schedule, which was centrally coordinated from Perth.</p> <p>In December 2012, Geraldton District was successful in securing funds for work under the State NRM Project titled "<i>Fast track Critically Endangered flora recovery by implementing key recovery actions and establishing new wild populations</i>".</p> <p>Since early 2012, the district has worked with the Geraldton Regional Herbarium group to:</p> <ul style="list-style-type: none"> <li>• Facilitate the relocation of the Geraldton Regional Herbarium from The Residency (completed in April and May 2012);</li> <li>• The Geraldton Regional Herbarium has subsequently undergone a process of amalgamation with the DEC Herbarium into a single</li> </ul>

Herbarium.

Specimens in these herbariums have been collected over the course of some 25 years by the Geraldton Regional Herbarium Group (GRHG) and staff from DEC. In the majority, they originate from within the Geraldton District, but some specimens have been collected from elsewhere within the Midwest Region.

New populations of priority flora have continued to be recorded within the District, with many being recorded by volunteers. The following numbers of new priority flora populations have been recorded:

<b>Taxon name</b>	<b>Status</b>	<b>Populations recorded</b>
<i>Chthonocephalus oldfieldianus</i>	P1	1
<i>Calytrix purpurea</i>	P2	1
<i>Hemigenia pimelifolia</i>	P2	1
<i>Calytrix pimeleoides</i>	P3	1
<i>Verticordia densiflora</i> subsp. <i>roseostella</i>	P3	1
<i>Lechenaultia longiloba</i>	P4	3