



## RECOVERY TEAM Annual report 2013

### THREATENED SPECIES AND/OR COMMUNITIES RECOVERY TEAM

#### PROGRAM INFORMATION

**Recovery Team** Geraldton District Threatened Flora and Ecological Communities Recovery Team

**Reporting Period** **DATE FROM: 1 January 2013** **DATE TO: 31 December 2013**  
**Submission date**

#### Current membership

	Member	Representing
<b>Chair</b>	David Rose, District Manager, Geraldton District	Parks and Wildlife
<b>Exec Officer</b>	Alanna Chant, Conservation Officer (Flora), Geraldton District	Parks and Wildlife
<b>members</b>	Kiera Foster, Conservation Officer (Flora), Geraldton District  Janet Newell, Conservation officer (Flora) Geraldton District  Andrew Brown, Co-ordinator – Threatened Flora, Species and Communities Branch  Val English, Principal Ecologist  Andrew Crawford, Research Scientist, TFSC  Leonie Monks, Research Scientist  Donna Rayner  Anna Sutherland, Alison Pearce  John Stevens  Jenna Brooker  Robin Simkin  Alice James  Josephine Docherty  Gail Reed  Wendy Payne  Joshua Foster, Amanda Melling  Robin Nicolas	Parks and Wildlife  Parks and Wildlife  Parks and Wildlife  Parks and Wildlife  Parks and Wildlife  Parks and Wildlife  Mingenew – Dongara Herbarium Group  Main Roads WA  Brookfield Rail  Geraldton Regional Herbarium  Kalbarri Herbarium  Durack Institute  Mullewa Wildflower Society  Dongara area  NACC  GHD Pty Ltd  City of Greater Geraldton

<b>Dates meetings were held</b>	17 <sup>th</sup> October 2014
<b>Highlights of achievements</b> for the previous 12 months suitable for publication in <i>WATSNU</i> and contribution to the Department of Parks and Wildlife annual report. Provide 1-2 paragraphs summarising total number of new populations located, surveys completed, list major management actions etc	<p>A Flora Conservation Officer (Janet Newell) has been employed on an 18 month contract to “Fast Track Recovery” of some of our most Critically Endangered flora. Projects Janet is working on include fencing, habitat restoration, translocations and research burn trials for 14 Critically Endangered and 6 other DRF.</p> <p>A Conservation Officer (Kiera Foster) has been employed on a 12 month contract to progress the implementation of offset 4 under condition 16 of the Ministerial Conditions for the Mt Gibson Iron Ore Mine and Infrastructure Project (Statement no. 753). The officer is currently assisting with the development and implementation of the full recovery plans for <i>Lepidosperma gibsonii</i> and <i>Darwinia masonii</i>, and coordinating the management of the threatening processes in relation to these taxa.</p> <p>101 populations and subpopulations of 32 DRF and P1 Flora have been monitored and/or surveyed during 2013.</p> <p>In addition 12 new populations/subpopulations were located and surveyed.</p>

**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.

<b>Taxon</b>	<b>Population number/s</b>
<i>Acacia imitans</i>	1, 6, 7, 8, 10
<i>Acacia unguicula</i>	1, 2, 3
<i>Androcalva bivillosa (P1)</i>	1, 2, 3, 4, 5 + 4 new
<i>Caladenia bryceana</i> subsp. <i>cracens</i>	11b
<i>Caladenia elegans</i>	1, 3, 6, 7a, 14
<i>Caladenia hoffmanii</i>	1, 10
<i>Conostylis dielsii</i> subsp. <i>teres</i>	3, 4, 6, 7, 8, 9, 10
<i>Conostylis micrantha</i>	2,6,7,9,10,11
<i>Darwinia masonii</i>	2b
<i>Dasymalla axillaris</i>	4,5,8,9 +2 new
<i>Drummondita ericoides</i>	2
<i>Eremophila nivea</i>	11T
<i>Eremophila rostrata</i> subsp. <i>trifida</i>	1, 3
<i>Eucalyptus cuprea</i>	2a, 4, 8, 9
<i>Grevillea bracteosa</i> subsp. <i>howatharra</i>	1 a,b,c,d,e, 2a,b,4,5
<i>Grevillea christineae</i>	6a,b, 7
<i>Grevillea phanerophlebia</i>	1, 2a, b,3
<i>Gyrostemon reticulatus</i>	1, 6
<i>Hemigenia pimefolia (P1)</i>	2, 3
<i>Hybanthus cymulosus</i>	4, 5, 6, 8
<i>Hypocalymma angustifolium</i> subsp. <i>Hutt River</i>	2

	<table border="1"> <tr> <td><i>Lechenaultia chlorantha</i></td> <td>1</td> </tr> <tr> <td><i>Lepidosperma gibsonii</i></td> <td>12b +2 new</td> </tr> <tr> <td><i>Leucopogon marginatus</i></td> <td>4, 5, 8, 9 +2 new</td> </tr> <tr> <td><i>Leucopogon nitidus (P1)</i></td> <td>1</td> </tr> <tr> <td><i>Pterostylis sinuata</i></td> <td>1,2,4,6,7</td> </tr> <tr> <td><i>Schoenia filifolia</i> subsp. <i>subulifolia</i></td> <td>1, 2, 4</td> </tr> <tr> <td><i>Stachystemon nematophorus</i></td> <td>1, 3, 7a&amp;c, 7e, 8, 15, 16 + 2 new</td> </tr> <tr> <td><i>Stylidium amabile</i></td> <td>1, 2</td> </tr> <tr> <td><i>Stylidium wilroyense</i></td> <td>1</td> </tr> <tr> <td><i>Verticordia spicata</i> subsp. <i>squamosal</i></td> <td>4, 9T</td> </tr> <tr> <td><i>Wurmbea tubulosa</i></td> <td>13</td> </tr> </table>	<i>Lechenaultia chlorantha</i>	1	<i>Lepidosperma gibsonii</i>	12b +2 new	<i>Leucopogon marginatus</i>	4, 5, 8, 9 +2 new	<i>Leucopogon nitidus (P1)</i>	1	<i>Pterostylis sinuata</i>	1,2,4,6,7	<i>Schoenia filifolia</i> subsp. <i>subulifolia</i>	1, 2, 4	<i>Stachystemon nematophorus</i>	1, 3, 7a&c, 7e, 8, 15, 16 + 2 new	<i>Stylidium amabile</i>	1, 2	<i>Stylidium wilroyense</i>	1	<i>Verticordia spicata</i> subsp. <i>squamosal</i>	4, 9T	<i>Wurmbea tubulosa</i>	13
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<b>TECs and PECs</b>	The Recovery Team visited and confirmed 3 sites of the newly listed TEC – Subtropical and Temperate Coastal Salt marsh Community (2 sites on the Chapman River and 1 site on the Greenough River). Members have also surveyed three additional areas in the District for which records have not yet been submitted (Irwin River mouth, Hutt Lagoon and additional areas on the Greenough River).																						
<b>Threat amelioration</b> eg weed control/mapping, fencing/ repairs, fire management disease management, feral/ introduced animal control, installation of roadside markers	<p>Weed control including hand removal, herbicide application and installing weed matting was undertaken at one population of <i>Schoenia filifolia</i> subsp. <i>subulifolia</i>.</p> <p>Weed control including herbicide application was undertaken at one population of <i>Caladenia elegans</i> and <i>Pterostylis sinuata</i>.</p> <p>Roadside markers were installed at populations of <i>Lechenaultia longiloba</i>, <i>Grevillea bracteosa</i> subsp. <i>howatharra</i>, <i>Conostylis dielsii</i> subsp. <i>teres</i>.</p>																						
<b>Conservation and research</b> e.g. fire research, translocation, ex-situ conservation, revegetation/rehabilitation etc	<p>Research burns are being planned for <i>Stylidium amabile</i> and <i>Stylidium wilroyense</i>.</p> <p>Translocations are being planned for <i>Eucalyptus cuprea</i>, <i>Schoenia filifolia</i> subsp. <i>subulifolia</i> and <i>Eremophila rostrata</i> subsp. <i>trifida</i>.</p> <p>Seed has been collected from <i>Schoenia filifolia</i> subsp. <i>subulifolia</i>, <i>Grevillea bracteosa</i> subsp. <i>howatharra</i>, <i>Androcalva bivillosa</i>, <i>Gyrostemon reticulatus</i> and <i>Eremophila rostrata</i> subsp. <i>trifida</i>.</p>																						
<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>Landholder notification letter delivery and liaison has taken place with landholders for populations of <i>Eucalyptus cuprea</i>, <i>Grevillea bracteosa</i> subsp. <i>howatharra</i>, <i>Wurmbea tubulosa</i>, <i>Caladenia elegans</i>, <i>Pterostylis sinuata</i>, <i>Leucopogon marginatus</i>, <i>Schoenia filifolia</i> subsp. <i>subulifolia</i> and <i>Eremophila rostrata</i> subsp. <i>trifida</i>.</p> <p>14 volunteers have been assisting with flora conservation activities including management of Herbarium collections, field survey and monitoring.</p> <p>The Recovery Team participated in the annual Mullewa Wildflower Show, including plant identification for the display.</p> <p>On site meetings and liaison has taken place with stake holders in relation to management of Threatened Flora including MRWA, Brookfield Rail, Australian Wildlife Conservancy, Bush Heritage, Northern</p>																						

	<p>Agriculture Catchments Council, Shire of Northampton, Shire of Perenjori and the City of Greater Geraldton.</p> <p>Liaison with Durack Institute in relation to student involvement in flora recovery work is ongoing.</p>
<p><b>Land use/tenure changes</b> e.g. covenants, acquisitions, changes in land use or listed purpose etc.</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>Two Priority 1 flora (<i>Androcalva bivillosa</i> &amp; <i>Leucopogon nitidus</i>) were extensively surveyed and nominations prepared for Threatened Flora listing.</p> <p>One DRF (<i>Stachystemon nematophorus</i>) was extensively surveyed and a nomination was prepared for removal from the Threatened Flora list.</p>
<p><b>Recovery plans</b> e.g. recovery plans/ IRPs drafted, approved, reviewed or updated</p>	<p>An Interim Recovery Plan for <i>Acacia woodmaniorum</i> was reviewed by the Geraldton District Flora Conservation Officer.</p>
<p><b>Other actions completed</b></p>	